

Appendix A:

ADDITIONAL READING

For anyone interested in additional reading on artificial intelligence and climate change, we especially recommend these sources:

1. Pierre Gentine, et al. *AI for Climate and Nature: Landscape Assessment*; Columbia University & Bezos Earth Fund, New York, New York, <https://www.climate.columbia.edu/ai-climate-nature-landscape-assessment> (2024).
2. Kenddrick Chan et al. *Greening AI: A Policy Agenda for the Artificial Intelligence and Energy Revolutions*; Tony Blair Institute for Global Change (TBI), London, UK, <https://institute.global/insights/climate-and-energy/greening-ai-a-policy-agenda-for-the-artificial-intelligence-and-energy-revolutions> (2024)
3. Keith J. Benes, Joshua E. Porterfield & Charles Yang. *AI for Energy: Opportunities for a Modern Grid and Clean Energy Economy*; US Department of Energy (DOE), Washington, D.C., <https://www.energy.gov/cet/articles/ai-energy> (2024).
4. Amy Luers et al. Will AI accelerate or delay the race to net-zero emissions? *Nature* 628, 718-720 (2024). <https://doi.org/10.1038/d41586-024-01137-x>.
5. David B. Olawade et al. Artificial intelligence potential for net zero sustainability: Current evidence and prospects. *Next Sustainability* 4, 100041 (2024). <https://doi.org/10.1016/j.nxsust.2024.100041>.
6. Amane Dannouni et al. *How AI Can Speed Climate Action*; Boston Consulting Group (BCG) and Google, Boston, Massachusetts, <https://www.bcg.com/publications/2023/how-ai-can-speedup-climate-action> (2023).
7. Lynn H. Kaack et al. Aligning artificial intelligence with climate change mitigation. *Nature Climate Change* 12, 518-527 (2022). <https://doi.org/10.1038/s41558-022-01377-7>.
8. David Rolnick et al. Tackling Climate Change with Machine Learning. *ACM Comput. Surv.* 55, Article 42 (2022). <https://doi.org/10.1145/3485128>.

In addition, we recommend exploring the References sections of the 17 chapters in this Roadmap, which contain many hundreds of sources on a wide variety of topics related to artificial intelligence and climate change.