

Overview of AI and the Environment

Climate Emissions

[AI's carbon footprint appears likely to be alarming | PIIIE](#)

[AI's carbon footprint is bigger than you think | MIT Technology Review](#)

[Machine Learning Emissions Calculator](#)

| [*The Green Dilemma: Can AI Fulfil Its Potential Without Harming the Environment?*](#)

Water Use

[As Use of AI soars, So Does the Energy and Water It Requires](#)

[AI Is Accelerating the Loss of Our Scarcest Natural Resource: Water](#)

Energy Use

[AI Is Pushing The World Toward An Energy Crisis](#)

[AI is an energy hog. This is what it means for climate change.](#)

Disparate Impact on Marginalized Communities

[The Hidden Environmental Cost of AI and Data Centers - One Green Planet](#)

| [*The Climate Costs of Big Tech*](#)

[The Uneven Distribution of AI's Environmental Impacts](#)

Resources Module 6: The Power Behind the Power:
Sustainability and the impact of AI technology on the
environment

| *The US must balance climate justice challenges in the era of artificial intelligence*

Sustainable Future

[How AI can enable a sustainable future](#)

[How to estimate and reduce the carbon footprint of machine learning models | by Kasper Groes Albin Ludvigsen](#)

General Impact

[AI's Climate Impact Goes Beyond Its Emissions | Scientific American](#)

[Tech Still Isn't Doing Enough to Care for the Environment | WIRED](#)

[Energy and Emissions of Machine Learning on Smartphones vs. the Cloud - Communications of the ACM](#)