

This paper examines the dual impact of digital technologies, highlighting key threats such as rising energy consumption, growing e-waste, and ...

A growing body of research highlights the significant and often overlooked environmental impact of the internet, from the energy consumed by data centers and transmission networks to the ...

Discover how internet usage affects the environment, from energy consumption to e-waste, in this in-depth analysis of its ecological footprint.

This paper examines the dual impact of digital technologies, highlighting key threats such as rising energy consumption, growing e-waste, and the increased extraction of raw materials.

This document surveys the impacts of the internet on the environment and includes, but goes beyond, energy use and carbon footprint to look at the consumption of natural resources and ...

Despite the constant need for energy, the internet has historically had a relatively minimal environmental impact. But that has all changed very quickly in the past decade.

In an age where emails, social media, and streaming services dominate our daily routines, every online action contributes to a cumulative carbon footprint that poses serious environmental ...

In this study, we analyze the direct effects of ICT on environment as well as the indirect effects through interaction with renewable energy, innovation, trade, and financial development using ...

Decarbonising electricity would substantially mitigate the climate impacts linked to Internet consumption, while the use of mineral and metal resources would remain of concern.

Operating these digital technologies requires energy and can lead to adverse environmental impacts. Multiple criteria are important to assess the environmental footprint. This chapter focuses in particular ...

What impact does the Internet have on the Earth's climate? And what's being done to counteract negative effects?

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