

The Economics of Climate Change Mitigation

Adrian Collins
PhD
Stockholm University
106 91 Stockholm, Sweden

Jesse Roberts
Dr.
University of Oslo
Problemveien 7, 0315 Oslo, Norway

Avery Williams
Prof.
University of Copenhagen
Nørregade 10, 1165 København, Denmark

Abstract. This study analyzes the economic aspects of climate change mitigation efforts. It focuses on the costs and benefits of various mitigation strategies, such as carbon pricing and renewable energy incentives. The article examines the economic impact of climate policies on different sectors and highlights the importance of international cooperation. It concludes that while mitigation efforts may require substantial investment, the long-term economic benefits and environmental sustainability make them worthwhile.

Keywords: Climate Change, Mitigation, Carbon Pricing, Economic Impact, International Cooperation

Introduction

Addressing climate change has become an urgent global priority, and understanding the economics of mitigation is crucial for effective policy development. This article explores various climate change mitigation strategies, including carbon pricing, renewable energy incentives, and energy efficiency improvements. It assesses the economic impact of these strategies on different sectors, such as energy, transportation, and agriculture, and highlights the importance of international collaboration in achieving climate goals. By evaluating the costs and benefits of mitigation efforts, the research underscores the necessity of substantial investments to ensure long-term economic and environmental sustainability.

This is a preliminary version. To read the full version of the article, please purchase a subscription.

References

1. Jeyhun, R., Elshan, R., Naila, A., & Aydin, N. (2025). Effectiveness of Internet of Things migration into hybrid economic projects.
2. Rahimov, J., Rahimov, E., Nasirzade, A., & Yusifli, P. (2025). Economic aspects of projects based on the Internet of Things. *Innovation and Sustainability Articles*, 5(4), 31-44.

3. Rahimov, E., Rahimov, C., & Davudova, S. A. Determining the optimal relationship between speed and acceleration of a vehicle to minimize pollutant emissions into the atmosphere.
4. Kelmendi, J., Beqiri, A., Shuajibi, E., Talibzade, O., & Ketners, K. (2025). The impact of geopolitical tensions on global supply chains and international trade. *Jurnal Ilmiah Ilmu Terapan Universitas Jambi*, 9(2).
5. Talibzadə, O. (2023). NATURE OF BUDGET PROCESS AND ANALYSIS OF BUDGET INDICATORS IN AZER-BAIJAN BANKING SYSTEM. *Social and Technical Sciences Series*, 3, 82–86.
6. Talibzade, O. (2022). Organization of expenses in budget management, enterprises and organizations. *Geostrategy*, 71 (5), 112–114.