



# Climate Justice Foundations for Adaptation Financing in Vulnerable African Regions: A Libyan Perspective

Abdullahi Al-Aziz<sup>1</sup>

<sup>1</sup> University of Tripoli

Published: 07 April 2007 | Received: 04 December 2006 | Accepted: 09 March 2007

Correspondence: [aalaziz@hotmail.com](mailto:aalaziz@hotmail.com)

DOI: [10.5281/zenodo.18847641](https://doi.org/10.5281/zenodo.18847641)

## Author notes

*Abdullahi Al-Aziz is affiliated with University of Tripoli and focuses on Environmental Science research in Africa.*

## Abstract

This study explores climate justice foundations for adaptation financing in vulnerable African regions, focusing on Libya as a case study. A participatory approach was employed with local stakeholders to gather data on climate impacts and community resilience. Statistical analysis included regression models to predict adaptation costs based on vulnerability indices. Regression analyses revealed that areas with higher exposure to extreme weather events require more substantial financial resources for adaptation, indicating a need for targeted funding strategies. The study concludes that just financing mechanisms are essential for sustainable climate change adaptation in Libya. It recommends establishing an equitable distribution system based on vulnerability and needs assessment. Recommendations include the creation of a dedicated climate justice fund, involving local communities in decision-making processes, and integrating gender considerations into funding allocations. The empirical specification follows  $Y = \beta_{0+\beta} p X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** *Geography, Africa, ClimateJustice, AdaptationFinance, Vulnerability, Ethics, Participation*

## ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

**Email:** [info@parj.africa](mailto:info@parj.africa)

Request your copy of the full paper today!

## SUBMIT YOUR RESEARCH

**Are you a researcher in Africa? We welcome your submissions!**

Join our community of African scholars and share your groundbreaking work.

**Submit at:** [app.parj.africa](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge