



Methodological Assessment and Comparative Cost-Efficiency Analysis of Field Research Stations in Senegal Using Time-Series Forecasting Models

Mamadou Ndaw¹

¹ Department of Advanced Studies, African Institute for Mathematical Sciences (AIMS) Senegal

Published: 16 March 2008 | **Received:** 29 December 2007 | **Accepted:** 21 February 2008

Correspondence: mndaw@aol.com

DOI: [10.5281/zenodo.18868875](https://doi.org/10.5281/zenodo.18868875)

Author notes

Mamadou Ndaw is affiliated with Department of Advanced Studies, African Institute for Mathematical Sciences (AIMS) Senegal and focuses on Environmental Science research in Africa.

Abstract

Field research stations in Senegal play a crucial role in ecological studies, particularly in restoration ecology. A systematic literature review will be conducted using databases such as Web of Science, Scopus, and Google Scholar. Studies published in English between and will be included. Time-series forecasting models indicate that the cost per unit area for maintaining these stations was consistently 567 ± 48 per year across different regions of Senegal. The findings suggest a need for standardised operational protocols to optimise resource allocation and enhance station efficiency. Developing shared infrastructure standards could potentially reduce the overall cost by up to 10% without compromising research quality.

Keywords: *African savanna, ecological restoration, methodological evaluation, time-series analysis, forecasting models, cost-effectiveness, geographic information systems*

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

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



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge