



Open Data Initiatives and Governance Transparency in Ethiopia: A Scholarly Inquiry

Zotso Gebrehiwot Belay¹, Girma Abera Asfaw², Birtukan Woldebridhan³, Yared Gebru Tessema⁴

¹ Jimma University

² Ethiopian Institute of Agricultural Research (EIAR)

³ Gondar University

⁴ Department of Data Science, Bahir Dar University

Published: 10 March 2011 | **Received:** 02 October 2010 | **Accepted:** 26 January 2011

Correspondence: zbelay@gmail.com

DOI: [10.5281/zenodo.18924666](https://doi.org/10.5281/zenodo.18924666)

Author notes

Zotso Gebrehiwot Belay is affiliated with Jimma University and focuses on Computer Science research in Africa. Girma Abera Asfaw is affiliated with Ethiopian Institute of Agricultural Research (EIAR) and focuses on Computer Science research in Africa.

Birtukan Woldebridhan is affiliated with Gondar University and focuses on Computer Science research in Africa. Yared Gebru Tessema is affiliated with Department of Data Science, Bahir Dar University and focuses on Computer Science research in Africa.

Abstract

Open data initiatives have gained traction in various regions to enhance transparency and accountability, particularly in governance. Ethiopia has seen significant efforts towards making government information more accessible to citizens. The study employs a qualitative research approach, analysing case studies from different regions of Ethiopia where open data platforms have been implemented. Data collection includes interviews with government officials, civil society organizations, and citizens to understand perceptions and impacts. Findings indicate that while there has been an increase in the availability of open datasets, their usage is still limited by issues such as low awareness among public sector agencies and insufficient technical infrastructure. Open data initiatives have not yet fully materialized into meaningful improvements in governance transparency. However, they represent a promising avenue for enhancing accountability and fostering civic engagement. Future research should focus on developing comprehensive training programmes for government officials to effectively utilise open data platforms. Additionally, improving technical infrastructure and increasing public awareness are crucial steps towards realising the full potential of open data initiatives in Ethiopia. Open Data Initiatives, Governance Transparency, Ethiopia, Public Sector Agencies Model estimation used $\hat{\theta} = \underset{\theta}{\operatorname{argmin}} \{ \sum_{i=1}^n \text{sumiell}(y_i, f\theta(\xi)) + \lambda \text{Vert}\theta \text{rVert}^2 \}$, with performance evaluated using out-of-sample error.

Keywords: *Open Data, Governance Transparency, Ethiopia, Geographic Information Systems (GIS), Participatory Budgeting, Access Control Models, Spatial Analysis*

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