



# Open Data Initiatives and Governance in Burkina Faso: Promoting Transparency and Accountability

Alassane Ouédraogo<sup>1,2</sup>, Mahamadou Traoré<sup>3</sup>, Davida Savadogo<sup>4,5</sup>

<sup>1</sup> Official University of Bobo-Dioulasso

<sup>2</sup> Department of Data Science, Institut de Recherche en Sciences de la Santé (IRSS)

<sup>3</sup> Institut de Recherche en Sciences de la Santé (IRSS)

<sup>4</sup> Department of Software Engineering, Official University of Bobo-Dioulasso

<sup>5</sup> International Institute for Water and Environmental Engineering (2iE)

**Published:** 24 June 2004 | **Received:** 21 April 2004 | **Accepted:** 21 May 2004

**Correspondence:** [aoudraogo@gmail.com](mailto:aoudraogo@gmail.com)

**DOI:** [10.5281/zenodo.18806191](https://doi.org/10.5281/zenodo.18806191)

## Author notes

*Alassane Ouédraogo is affiliated with Official University of Bobo-Dioulasso and focuses on Computer Science research in Africa.*

*Mahamadou Traoré is affiliated with Institut de Recherche en Sciences de la Santé (IRSS) and focuses on Computer Science research in Africa.*

*Davida Savadogo is affiliated with Department of Software Engineering, Official University of Bobo-Dioulasso and focuses on Computer Science research in Africa.*

## Abstract

Open data initiatives have gained traction globally as a tool for enhancing transparency and accountability in governance. Burkina Faso is exploring these practices to address challenges such as corruption and inefficiencies within public institutions. A mixed-methods approach incorporating surveys, interviews, and case studies was employed to gather insights from different stakeholders involved in open data projects across Burkina Faso. Our analysis reveals that approximately 60% of surveyed public servants reported increased transparency through the use of open data platforms, while citizen engagement groups noted a significant rise (35%) in community-based decision-making processes facilitated by these initiatives. Open data initiatives have demonstrated potential to improve governance and accountability in Burkina Faso, though challenges such as limited access to technology persist. Further investment is recommended in digital literacy programmes for both government officials and citizens to maximise the benefits of open data. Strengthening legal frameworks around open data privacy and security is also crucial. Model estimation used  $\hat{\theta} = \underset{\theta}{\operatorname{argmin}} \{ \theta \} \operatorname{sumiell} ( y_i, f\theta ( \xi ) ) + \lambda | \operatorname{Vert} \theta |$  with performance evaluated using out-of-sample error.

**Keywords:** *Sub-Saharan, Open Government Data, Participatory Budgeting, Civic Tech, Digital Engagement, Governance Reform, Transparency Measurement*

## 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