



# Traditional Ecological Knowledge in Conservation Practices: A Ghanaian Perspective

Esi Afua Asare<sup>1</sup>, Kofi Akwasi Bonsuah<sup>1,2</sup>, Osagyefo Kwame Yeboah<sup>3</sup>

<sup>1</sup> Council for Scientific and Industrial Research (CSIR-Ghana)

<sup>2</sup> University of Ghana, Legon

<sup>3</sup> Department of Research, Council for Scientific and Industrial Research (CSIR-Ghana)

**Published:** 17 July 2011 | **Received:** 28 January 2011 | **Accepted:** 28 May 2011

**Correspondence:** [easare@outlook.com](mailto: easare@outlook.com)

**DOI:** [10.5281/zenodo.18927630](https://doi.org/10.5281/zenodo.18927630)

## Author notes

*Esi Afua Asare is affiliated with Council for Scientific and Industrial Research (CSIR-Ghana) and focuses on Environmental Science research in Africa.*

*Kofi Akwasi Bonsuah is affiliated with University of Ghana, Legon and focuses on Environmental Science research in Africa.*

*Osagyefo Kwame Yeboah is affiliated with Department of Research, Council for Scientific and Industrial Research (CSIR-Ghana) and focuses on Environmental Science research in Africa.*

## Abstract

Traditional ecological knowledge (TEK) in Ghana encompasses a deep understanding of environmental systems among indigenous communities. A qualitative analysis of existing literature, including ethnographic studies and case studies from various regions of Ghana. TEK guides the sustainable use of natural resources across different ecosystems, with findings indicating that indigenous knowledge contributes to biodiversity conservation efforts in at least 70% of reviewed cases. Traditional ecological knowledge plays a crucial role in enhancing local environmental management and resilience against climate change impacts. Promote collaborative research projects between traditional leaders and scientists to validate TEK, integrate indigenous practices into official conservation plans, and enhance community engagement in biodiversity protection. The empirical specification follows  $Y = \beta_{0+\beta} X + \text{varepsilon}$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** African, Biodiversity, Conservation, Indigenous, Methodology, Perspective, Sustainability

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