



# Traditional Ecological Knowledge in Senegalese Conservation Practices: A Comparative Study

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## Abstract

Traditional ecological knowledge (TEK) plays a crucial role in conservation practices across different cultural contexts. The study employs a mixed-methods approach combining ethnographic interviews with quantitative analysis of local practices. Senegalese communities report success rates of up to 80% in TEK-based conservation projects compared to conventional methods, highlighting its efficacy and adaptability. Traditional ecological knowledge significantly enhances the efficiency and sustainability of conservation initiatives in Senegal. Policy makers should consider integrating traditional practices into national conservation strategies to maximise effectiveness and cultural preservation. traditional ecological knowledge, conservation, Senegal, success rates, mixed-methods study The empirical specification follows  $Y = \beta_{0+\beta}^{\rightarrow} p X + varepsilon$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** African, Senegalese, Cultural Ecology, Anthropology, Ethnography, Sustainability, Indigenous Knowledge

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