PAST, PRESENT AND FUTURE OF A COMMUNITY NEXT TO THE BIGGEST MANGROVE DIEBACK OF THE GAMBIA

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Systems Ecology and Resource Management



Occupies the 0,04 % of land in Africa but contains the 2,1% of the total mangrove forests in the continent.1

Since the 1970's several droughts eliminated 11,000 ha of mangrove forests.2

The BINTANG BOLONG

lost 90% of the mangrove forests causing direct impacts in the communities. Today, a horizon of dead stumps and salinizated soils are remnants of this

wetland from the Sudano-Guinean biome.3



ADAPTIVE RESEARCH DESIGN

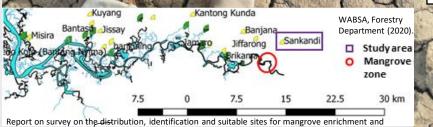
"More flexible approach with possibilities of responding to what is discovered, through observation and reflection, and allowing the researcher to draw the conclusions of new insights by altering the path of research."4

MASTER THESIS' OBJECTIVE

Study the evolution of the Sankandi community in its socio-ecological system through the last decades

METHODS

Snowball sampling Semi-structured interviews Participatory Action Research



ENVIRONMENT AND CLIMATE

restoration in LRR.

GENERAL

TOPICS

Local reflections about the change in the environment and the climate, the biodiversity,...

TRADITIONAL

Uses of mangroves, taboos with nature,...

COMMUNITY-BASED MANAGEMENT

SANKANDI YOUTH DEVELOPMENT ASSOCIATION5

Perceptions of the Community-Based Organization founded by Ansumana Darboe in 2012, engaging with more than 200 local volunteers from 5 communities along the Bintang Bolong. The community has planted more than 450.000 propagules of Rhizophora mangle with high rates of survival and growth⁶, also the biodiversity is increasing⁷, including fish. Tens of locals are involved in honey production and in the monitoring of the ecosystem.



1. Mangrove planting in 2018 2. Sankandi Bee-keeping



KNOWLEDGE

storytelling, Churay pots,

PAR-Churai Dandingo, Churai Pot Pottery made out of mangrove clay in Sankandi

"MANGROVE TALKS" **ACTION RESEARCH**

Action to the second se

Elders of the community sharing their experiences living with mangroves before the dieback 40 years ago. Local awareness raising activities

Planting sites in the Bintang Bolong D. Sanz Yus, March, 2022

nent in the mangroves of Tanbi Wetland Nationa nges in mangrove forests along the Bintang Bolong Estuary, Gambia using Google Earth Engine, Sentinel-2 imagery and Random Forest classification.

etation of Africa, a descriptive memoir to accompany the UNESCO/AETFAT/UNSO vegetation map of Africa. UNESCO, Natural Resour. Res. 20:1-356
R., Duineveld, M., Gruezmacher, M., (2021). Adaptive methodology. Topic, theory, method and data in ongoing conversation. International Journal of Social Research Methodo pment Association (2021). Community Mangrove Conservation and Restoration https://www.reforestationworld.org/project/syda

