

Junior Fellowship for Dr. Nouhoun Zampaligré: Livestock production systems in the defined pastoral zones around protected forest areas in Burkina Faso: toward socio-economic transformations of pastoralist communities' livelihoods and livestock husbandry practices.

Initiative: Wissen für morgen – Kooperative Forschungsvorhaben im subsaharischen Afrika (beendet)

Ausschreibung: Postdoctoral Fellowships on Livelihood Management, Reforms and Processes of Structural Change

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In Sahelian countries such Mali, Burkina Faso and Niger, transhumant pastoralism is the dominant livestock husbandry system; it involves 70-90% of the cattle and 30-40% of the goats and sheep, supplying about 65% of cattle and 40% of small ruminant meat. Since the severe droughts, this livestock system faced challenges due to climate change, increased population growth and socio economic transformations that have occurred in the region. As adaptation strategy, in Burkina Faso, most of pastoral livestock keepers have migrated and settled in the defined pastoral zones around national parks and protected areas, where dry season forage and water resources are relatively abundant. The aim of this project is to investigate the livestock-environment interactions between the newly settled pastoral communities' and the protected forested areas, as well the pastoralists' livelihood strategies in these areas. The selected study sites are Kotchari, Noberé and Dinderesso pastoral zones located around Park W, Park Kaboré Tambi and protected forest of Dinderesso respectively. Research activities will be undertaken on i) the characterization of pastoral livelihood strategies and changes, and current livestock husbandry systems, ii) land use mapping and pasture resources evaluation; iii) tracking of livestock grazing routes and assessment of pasture areas use; and iv) modelling of livestock population dynamics (12mo and DynMod). The outcomes of the project should allow local and regional institutions, and policy makers to develop better strategies and take informed decisions on initiatives for sustaining pastoral resilience to climate variability while preserving protected forest ecosystem services and solve conflicts over natural resources use.

Projektbeteiligte

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