

Land Use Intensity at Dwesa Cwebe Nature Reserve, 1996-2016

Forschungsfragen:

1. What is the **harvest intensity** at Dwesa Cwebe Nature Reserve and how did it change over time considering the complex political, historical, social and ethnic context?
2. Did the **closing of Dwesa Cwebe Nature Reserve** result in overexploitation of the natural resources from the area outside the reserve?
3. To which degree **differ the Dwesa and Cwebe sections** from each other, related to harvest levels and land use intensities within and around reserve?

Material und Methoden:

- Daten über Biomasse-Nutzungsmengen aus Projektberichten (1996) und empirischen Interviews mit den BewohnerInnen von Dwesa und Cwebe (2016);
Bevölkerungszahl: laut DonaldWoodFoundation;
Landnutzung: eigene Schätzung basierend auf Land Cover Map der ESA
- HANPP-Rechnung für beide **Subregionen** unterteilt in „**protected area**“ und „**unprotected outside area**“ für **1996** und **2016** ...verknüpft mit Erkenntnissen aus den Interviews

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DWESA – more modern lifestyles and western-oriented

Protected Area: grass harvest increased, construction wood played important role in 1990ies but NO illegal grazing

Abandonment of agricultural land and migrant work

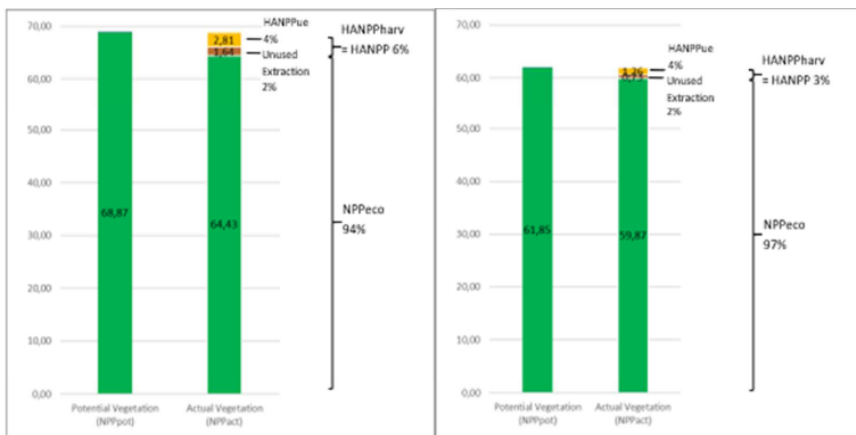
Bush Encroachment → fuelwood sufficiency

CWEBE – traditional lifestyles and focus on agriculture

Protected Area: grass harvest increased, Illegal Grazing on protected grasslands

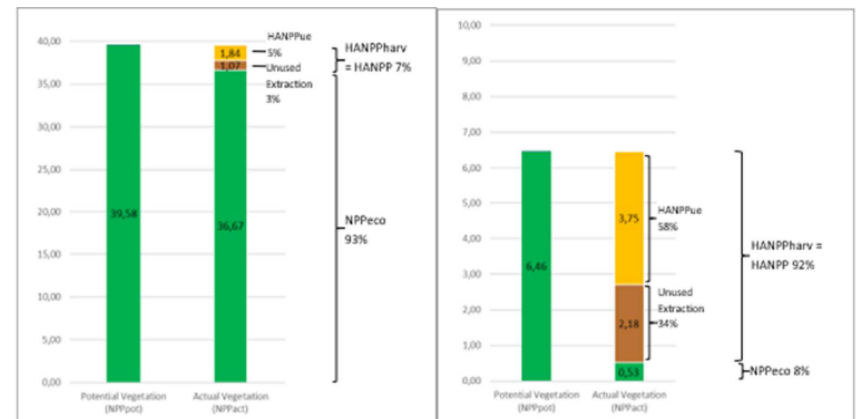
Forest Degradation → fuelwood scarcity

Displacement of Forest Degradation from the protected area to the forests outside the reserve



b) HANPP Forest Dwesa 1996

e) HANPP Forest Dwesa 2016



c) HANPP Forest Cwebe 1996

f) HANPP Forest Cwebe 2016