



for landscapes & livelihoods

RANGELAND RESTORATION

annex 2



**UMZIMVUBU
CATCHMENT
PARTNERSHIP
PROGRAMME**

ANNEX 2: LANDSCAPES FOR LIVELIHOODS TOOLKIT: CATALOGUE OF TOOLS + REFERENCES TO SUPPORT EACH COMPONENT

Component	Key Elements	Tools + Methodologies	References + Reading
STREAM 1: SOCIAL, INSTITUTIONAL + MARKETING ELEMENTS			
1. STAKEHOLDER ENGAGEMENT	Community mobilizing + capacity building (including stock owners and leadership)	<ul style="list-style-type: none"> Participatory community engagement process (ERS, 2015) The Problem Tree (Motseng 2014) Land Reform biodiversity stewardship initiative Introduction to Env stewardship (EWT) Records of Motseng mobilisation + monitoring meetings (collection of proceedings, ERS 2012-2015) UNEP refs and guides A3 Poster set for emerging model (UCPP 2014) 	<ul style="list-style-type: none"> Turner. 2012. Conservation + poverty alleviation, Waterton. 2015. Committing to place plus biology Stakeholders, partners + role-players in CBNRM T. Shata, 2015: PPT to SCCP on People + Conservation
2. MARKET ACCESS	Enabling incentives; sharing health perceptions; condition + grading requirements	<ul style="list-style-type: none"> Red meat Market +communal beef cattle supply (ref) 	
3. ESTABLISHING AGREEMENTS	Mutual obligations, ensuring commitment, clarifying expectations for all parties	<ul style="list-style-type: none"> Draft Conservation + Agriculture Agreement Biodiversity + Red Meat Cooperative (BRMC) Motseng draft livestock agreement 	
4. SUSTAINABILITY + RESILIENCE	<ul style="list-style-type: none"> Building on traditional + accepted systems; financial management; independence from project support; monitoring 	<ul style="list-style-type: none"> Financial Services + Livelihood Security for Poor + Vulnerable Groups (Save Act) Citizen science EGS monitoring toolkit (EWT) Monitoring recording form (ERS, 2015) 	<ul style="list-style-type: none"> Financial Services + Livelihood Security for Poor + Vulnerable Groups

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STREAM 2: LANDSCAPE RESTORATION & PRODUCTION			
5. RANGELAND REHABILITATION	Alien clearing techniques for grassland recovery; rotational resting; restoration techniques; mapping and monitoring	<ul style="list-style-type: none"> Using cattle as 'tools' for communal rangeland restoration (ERS, 2014) Rotational resting: a practical solution to maintain or improve communal rangelands Rotational resting: a practical solution to maintain or improve communal rangelands . Brigid Lett, Lumko Mboyi and Susan Carter-Brown (date) Trampling as a recovery tool (McLeod, 2015) PPT Motseng before and after poster, 2015 	<ul style="list-style-type: none"> Communal custodianship - alternative incentives for sustaining land restoration; Matela, S. McLeod, N. Frazee, S Changing tack: alternative management approaches for controlling the spread of invasive wattle in communal landscapes: N. McLeod Institute of Natural Resources, Lima Rural Development Trust; 3 NatureStamp
6. ECORANGERS + ROTATIONAL GRAZING	Training; herding and livestock husbandry skill sets; careers for ecorangers; links with rangeland rehabilitation component 5	<ul style="list-style-type: none"> Livestock herding – Matatiele area, July 2015 Consolidated observations and recommendations on the eco-ranger project: eco-ranger concept site visit held on 31st August in Ongeluknesk Motseng area, Matatiele, South Africa Ecorangers programme stewardship, July 2014 Ecorangers programme MDTP, July 2014 CSA and Ecorangers, Dec 2013 CSA and Ecorangers, March 2014 Motseng Land and Livestock management, start of grazing season, September 2015 	<ul style="list-style-type: none"> UCPP. 2014. ECORANGERS FOR LIVELIHOODS AND LANDSCAPES: Reflections from a year of implementation Ecoranger concept DEA MAREP PPT: N. McLeod, Oct 2015
7. LIVESTOCK HEALTH	Nutrition; healthcare, inoculations and 'paravet' functions and training (linked with component 6)	<ul style="list-style-type: none"> Guidelines to Ensure your Animals are Healthy, KZN DAEARD and MRDT 2011 Body condition scoring, Brigid Letty (Lima DEA Umzimvubu NRM LUI Project), May 2015 	<ul style="list-style-type: none"> Some thinking on community livestock management on natural veld.(ref)
8. FIRE MANAGEMENT	As threat and as tool; control and management; prevention and response	<ul style="list-style-type: none"> Veldfires presentation, Compiled JP du Plessis . July 2014 Fire Management in the Grassland Biome (ref) Fire ecology lecture fire—a key factor in the ecology and management of African grasslands and savannas S.W. Trollope, July 2014 	<ul style="list-style-type: none"> Assessment of Veld Condition Using the Adapted Point Centred Quarter Method For Bush Surveys. D. van den Broeck. P. de Bruyn. R. Goode. L.A. Trollope. W.S.W. Trollope. Fire behaviour a key factor in the fire ecology of African grasslands and savannas. W.S.W. Trollope & L.A. Trollope (date) Fire grazing interaction related to domestic livestock: Grazers in moist african grasslands (sourveld) Winston s.w. trollope & lynne a. Trollope Fire Management in the Grassland Biome (ref) Johannsen & Granstrom: fuel, fire & cattle. Journal of Applied Ecology, 2014

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STREAM 3: BROADER CONTEXTUAL FACTORS			
9. STOCK THEFT	Improving security, reducing risks for stock owners	<ul style="list-style-type: none"> • Participatory community engagement process (ERS, 2015) • The Problem Tree (Motseng 2014) • Land Reform biodiversity stewardship initiative, • Introduction to Env stewardship (EWT) • Records of Motseng mobilisation + monitoring meetings (collection of proceedings, ERS 2012-2015) UNEP refs and guides • A3 Poster set for emerging model (UCPP 2014) 	<ul style="list-style-type: none"> • Turner. 2012. Conservation + poverty alleviation • Waterton. 2015. Committing to place plus biology • Stakeholders, partners + role-players in CBNRM • T. Shata, 2015: PPT to SCCP on People + Conservation
10. CROSS BORDER ISSUES	Illegal grazing, stock theft links, international liaison committees	<ul style="list-style-type: none"> • Red meat Market +communal beef cattle supply (ref) 	
11. CLIMATE CHANGE TRACKING & RESILIENCE	Vulnerability and stresses, water security, awareness, external threats beyond local control	<ul style="list-style-type: none"> • Review of evidence on drylands pastoral systems + climate change: Implications + opportunities for mitigation + adaptation Edited by C. Neely S. Bunning and A. Wilkes • Converging Currents in Climate Relevant Conservation: Water, Infrastructure, + Institutions • John H. Matthews, Bart A.J. Wickel, Sarah Freeman • Namaqua District Maps. Stephen Holness • Skeppies: Building Resilience to Climate Change Skeppies Climate Monitoring through the Climate Diary Process: Method + lessons learned Compiled by Amanda Bourne, Climate Action Partnership, + Anna-Lize Terry, Conservation South Africa March 2011 • Adapting to climate change, Skeppies 	<ul style="list-style-type: none"> • China ecological footprint Biocapacity, cities + development Report 2010 • Hamann, M., V. Masterson, R. Biggs, M.Tengö, B.Reyers, L.Dziba, M.Spierenburg. 2012. Social-ecological scenarios for the Eastern Cape Province, South Africa 2012-2050. Stockholm Resilience Centre, Sweden • Forestry-based carbon sequestration projects in Africa: Potential benefits and challenges Rohit Jindal, Brent Swallow + John Kerr