

ANNEX 2: AFRICULTURE - CURRENT LOG FRAME – March 08

Project Goal: The Conservation of biodiversity through the development of alternative supply of natural resources and local resource use practice

Purpose: Support and enhance sustainable plant-based livelihoods that are underpinned by biodiversity in the Eastern Cape

Project summary	Measurable Indicators	Means of verification	Important Assumptions
<p>Develop training and advocacy programmes to support and enhance sustainable resource management & skills in the cultivation of traditionally used indigenous medicinal plants to reduce stress on wild plant populations; to supply cultivated indigenous plants; and to develop an infrastructure to generate project income for long term sustainability.</p>	<ul style="list-style-type: none"> • Input from beneficiaries to tailor project in each targeted area & community • Behavioural change in related plant based practices in target area • Indigenous plants produced to secure a sustainable supply for training, growers and supply of stock to micro-nurseries • Beneficiaries trained in Indigenous Plant Cultivation pilot, Micro-nursery, Agri- Entrepreneurship and Agri-Product Developed • Issues identified around the sustainable traditional uses and appropriate recognition of plant based rights and practices • Appropriate income generation streams created to reinforce project impact and contribute to long term project sustainability • Physical construction of nursery, processing, demonstration & training areas 	<ul style="list-style-type: none"> • Documented model for training & outreach • Documentation of meetings & reporting by stakeholders • Data collected indicating changes in behaviour and plant use patterns arising from cultivation, training and advocacy activities • Reports from partners & service providers • Documentation of site development planning and the physical structures on site • Photographs of activities and outcomes 	<ul style="list-style-type: none"> • Partners, stakeholders & beneficiaries remain committed to the process • Broad acceptance of cultivated medicinal plants • Community ownership enhances project outcomes • Harvesters make the transition to cultivated materials • THPs understand the impact of current behaviour and are willing and able to move to more sustainable practices • Project is able to supply the demand for indigenous seedlings generated by courses until micro-nurseries can take over supply • Building work completed within existing physical, time & financial constraints

Outputs	Activity	Indicator	Verifier	Timeframe	Assumptions	Risks	% Complete
1. Production of indigenous plants to secure a sustainable supply for training for growers and supply of stock to micro-nurseries	1.1. Secure a site and necessary authorizations for establishing a nursery and training facility	1.1. Site	1.1. Title deed and authorizations	1.1 Y3	1.1. Suitable site available to purchase	1.1.1. No obtainments of development authorisations 1.1.2. No long term security by leasing land instead of purchasing	1.1. 100% completed; Environmental Management granted by DEAET
	1.2. Identify target species through research and engaging THPs for input into the selection of target species	1.2. List of target species	1.2. Minutes of meetings and workshops conducted with THPS; List of research docs and other orgs & institutions contacted	1.2. Y2 –Y4	1.2.1. Participation of THPs 1.2.2. Other sources of information available	1.2.1. Possibility of THPs not revealing information 1.2.2. No consensus of THPs on target species	1.2. 70 % completed; with an allowing for 30% additions by roll-out training in yr 4
	1.3. Establish 1 ha nursery site (to secure a sustainable supply of medicinal plants for training)	1.3. Operational nursery	1.3. Plant stock, materials, site development plan, contractors' appointment documents, infrastructure, staff	1.3. March y2/ April y3	1.3.1. Stock available 1.3.2. No theft of stock or materials 1.3.3. Construction resulting in work completed in current financial year raises risk of funds no longer available to service contracts	1.3.1 Loss of plant stock due to climate, disease, theft and fire 1.3.2. Theft of material 1.3.3.Delays in construction resulting in work not completed in current financial year raises risk of funds no longer available for contractor payments 1.3.4. Nursery site is not established; fragmented plant storage and propagation sites compromises delivery and increases costs	1.3. 100 % completed

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	1.4. Supply cultivated stock for training	1.4. Inventory of 1000 seedlings comprising of 10-15 different medicinal plant species supplied to participants	1.4. 5 groups received stock (1000 seedlings of 10-15 different medicinal plant species) + photographs	.4. Y3 - 4	1.4.1. Appropriate stock available 1.4.2. Security fencing on site is effective 1.4.3. Additional sites continue to be made available 1.4.4. Necessary permits obtained	1.4.1. Loss of plant stock due to climate, disease, theft and fire 1.4.2. Additional sites not available: insufficient space for propagation 1.4.3. Necessary permits not obtained	1.4. 60% 1760 seedlings = 16 target species successfully propagated out of a total of 2510 seedlings grown overall
	1.5. Develop appropriate technologies for cultivation and propagation of target species	1.5. Methods developed and documented for 30 target species	1.5. Training material is available for 30 target species	1.5. Y3	1.5. Effective low tech methods are available and acceptable to beneficiaries	1.5.1. No effective low tech methods developed on certain targeted species 1.5.2. Effective low tech methods not acceptable to beneficiaries	1.5. 55% completed; target species successfully cultivated. 9 proving difficult to source
2. Beneficiaries trained in indigenous plant cultivation pilot. Micro-nursery and agri-entrepreneurship courses developed.	2.1 Develop cultivation training course with input from THPs and other key experts	2.1. Peer-reviewed training material	2.1. Document and course work material	2.1. Y3	2.1.1. Training material will meet needs of participants 2.1.2. Engagement of expert input 2.1.3. Acceptance of material content by THPs	2.1. Training material does not meet needs of participants 2.2. Insufficient engagement of expert input 2.3. No acceptance of material content by THPs	90% completed; training material for phase 1-4 have been developed (with phase 4 awaiting feedback from facilitation)
	2.2 Develop micro-nursery course with input from THPs and other key experts	2.2 reviewed training material	2.2. Document and course work material	2.2. Y3	2.2.1. Training material will meet needs of participants 2.2.2. Engagement of experts input 2.2.3. Acceptance of material content by THPs	2.2.1. Training material does not meet needs of participants 2.2.2. Expert input not acquired 2.2.3. THP do not accept material content by THPs	7% completed; course has been broadly planned within the overall Africulture model – with some repetition from Gen Cult Course
	2.3 Develop agri-business course by amending and consolidating existing course material with input from key experts	2.3 Reviewed training material	2.3. Document and course work material	2.3 Y3 - 4	2.3.1. Training material will meet needs of participants 2.3.2. Engagement of experts input 2.3.3. Acceptance of material content by THPs	2.3.1. Training material does not meet needs of participants 2.3.2. expert input not acquired 2.3.3. THP do not accept material content by THPs	20% completed; course has been broadly planned within the overall Africulture model – from UTPs existing course

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	2.4. Conduct pilot cultivation course	2.4.1 revisions to training material 2.4.2. Pilot training conducted 2.4.3. Feed back of participants	2.4.1. Revised training material 2.4.2. Attendance register 2.4.3. Recorded feed back of participants	2.4. Y3	2.4.1. Sufficient training participants recruited 2.4.2. Participants are representative of beneficiaries 2.4.3. Appropriate staff available	2.4.1. Insufficient participants recruited 2.4.2. Pilot area is not representative of wider target area 2.4.3. Appropriate staff not available	75% completed; phases 1-3 delivered
	2.5. Ongoing monitoring and evaluation of training programmes to inform updating training materials	2.5. Monitoring system	2.5. Evidence that the monitoring system is applied	2.5. Y3 - 4	2.5.1. Sufficient training conducted 2.5.2. Participants are representative of beneficiaries 2.5.3. Appropriate staff available 2.5.4. Behavioural changes take place	2.5.1. Monitoring representative of the work conducted 2.5.2. Negative monitoring outputs reduce participation	25 % completed; from feedback on cultivation training – with facilitation monitoring to take place during phase 4
3. Advocating sustainable traditional uses and appropriate recognition of plant based rights and practices	3.1. Research key issues needing advocacy interventions with input from THPs and other experts	3.1. Issues identified	3.1. Documentation of workshops and minutes with research collaborators	3.1. Y1 –Y4	3.1.1 Key issues identified are correctly identified 3.1.2. Issues and capacity available to address key issues identified.	3.1.1. Key issues identified are not reflecting real key issues 3.1.2. Issues and capacity are not available to address key issues identified.	70% completed; input on issues needing advocacy interventions gained from THPs in the pilot area, desktop research conducted on these issues

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	3.2. Engage in advocacy issues, including the Traditional Health Practitioners Act, legal harvesting on private land and Indigenous knowledge protection	3.2.1. Agreements in place with research collaborators 3.2.2. Inventory of advocacy activities 3.2.3. Outcomes of advocacy activities	3.2. Agreements with research collaborators, documentation on advocacy workshops and activities	3.2. Y2 – Y4	3.2.1. Understanding by THPs of impact of current behaviour 3.2.2. THP accept the use of cultivated material 3.2.3. THPs willing to engage with harvesters to bring about shift	3.2.1. No understanding by THPs of impact of current behaviour 3.2.2. THP do not accept the use of cultivated material 3.2.3. THPs are not willing to engage with harvesters to bring about shift	20% completed; workshop conducted on indigenous knowledge protection & related legislation
	3.3. Generate and disseminate information around practice and safe use around traditional plants	3.3. List of where and to whom information is disseminated to and which information is disseminated	3.3. Documentation of information disseminated	3.3. Y3-y4	3.3.1. There is published information available for illiterate users around practice and safe use around traditional plants. 3.3.2. Information provided is accepted by beneficiaries 3.3.3. Information dissemination mode accessible for beneficiaries	3.3.1. There is no published information available around practice and safe use around traditional plants. 3.3.2. Information provided is not accepted	50% completed; with THP workshops around information sharing & dissemination on plant interactions & HIV/AIDS
	3.4. Information sharing and awareness raising associated with sustainable use of biodiversity	3.4. Publication and broadcasting of project activities and outcomes (50 items)	3.4. Articles in journals and popular media, exhibitions presentations on conferences and public events	3.4. Y3-y4	3.4.1. Invitations to conferences and public events 3.4.2. Papers submitted are published 3.4.3. Popular media interested in subject matter 3.4.4. Accurate representation of project goal	3.4.1. Not invited to conferences and public events 3.4.2. No papers submitted are published 3.4.3. No popular media interested in subject matter 3.4.4. Misrepresentation of Project goal	100% completed; 22 items published/ Broadcasted & 71 presentations Out of 50

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	3.5. Chemical fingerprinting	3.5. Number of species tested	3.5. Chemical profiles obtained	3.5. Y 3/4	3.5. 1. Material can be gathered 3.5.2. Material gathered & tested is representative of those cultivated 3.5.3. Material can be transferred to the UK 3.5.4. Cultivated materials will be effective	3.5. 1. Material can not be gathered 3.5.2. Material gathered & tested is not representative of those cultivated 3.5.3. Material can not be transferred to the UK 3.5.4. Cultivated materials is not effective	25 % completed; Analysis started at Kew with UK samples, awaiting MoU & transfer of to UK.
4. Information on changes in behaviour and plant use patterns arising from cultivation, training and advocacy activities	4.1. Measure the implementation of cultivation practices by trainees	4.1. Number of trainees cultivating medicinal plants	4.1. Number of trainees cultivating medicinal plants after 12 months	4.1. Y4	4.1.1. Trainees are involved in cultivation 4.1.2. Cultivation of plants has occurred. 4.1.3. Contact with trainees is maintained 4.1.4. Resources available to monitor implementation of cultivation practices by trainees	4.1.1. Trainees are not involved in cultivation 4.1.2. Cultivation of plants has not occurred. 4.1.3. Contact with trainees is not maintained 4.1.4. Resources not available to monitor implementation of cultivation practices by trainees	15% completed; development of monitoring mechanisms underway
	4.2. Measure uptake of use cultivated materials by THPs	4.2.1 Number of THPs trained using cultivated plant material 4.2.2. Number of THP stakeholders using cultivated plant material	4.2.1 Number of THPs trained using cultivated plant material after 12 months 4.2.2. Number of THP stakeholders using cultivated plant material after 12 months	4.2. Y4	4.2.1. Cultivated material is available 4.2.2. Cultivated material is a cultural acceptable 4.2.3. THPs are staying in their living area 4.2.4. THP organisation is functional	4.2.1. Cultivated material is not available 4.2.2. Cultivated material is not cultural acceptable 4.2.3. THPs are not staying in their living area 4.2.4. THP organisation is not functional	15% completed; development of monitoring mechanisms underway

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	4.3. Survey to which extent cultivated material has replaced wild harvested material by trained THPs	4.3.1. List of wild harvested species which are now partly cultivated	4.3.2. Baseline and post intervention research report and photographs of cultivated plants	4.3. Y4	4.3.1. THPs are willing to share information about source of plant material 4.3.2. Resources available to collate information 4.3.3. Information by THPs is adequately verified	4.3.1. Reluctance of THPs to give accurate information on the sources of plants they use 4.3.2. Resources not available to collate information 4.3.3. Information by THPs is not adequately verified	15% completed; development of monitoring mechanisms underway