

Integrated *Prosopis* Management & Utilization Work Plan (IPMUP)



- **Background IPMUP**
- **IPMUP Draft**

**FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
MINISTRY OF LIVESTOCK AND FISHERIES**



**NATIONAL STRATEGY ON
PROSOPIS JULIFLORA MANAGEMENT**

**JANUARY 2017
ADDIS ABABA
ETHIOPIA**

Background to the development of the Draft IPMUP

- Development of Resilience Empowering Alternative Measures for Ethiopian Lowlands (DREAM) International Conference
 - Sep 29 to Oct 3, 2019, Semera Town
 - FDRE MoA, GiZ & Afar & Somali BoLAND and other DPs



DREAM ASAL 2019 Conference



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MINISTRY OF AGRICULTURE

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



DREAM conference outputs

- ❑ Experience sharing: National and international promising experiences
 - ❑ Ethiopia, Kenya, Namibia, Pakistan & Somaliland.
- ❑ Small task team was established to develop IPMUP for pilot woredas of Afar & Somali regions
- ❑ Task team meeting: Bishoftu town on Oct 10 & 11, 2019
 - ❑ IPMUP developed for Nine Woredas of Afar & Somali region
- ❑ National Prosopis management stakeholders meeting-Jan 21st 2021
 - ❑ Prosopis Management National Technical Advisory Group

Members of the Task Team

Annex 1: *Prosopis* Management Working Group (PMWG)

No.	Name of the Individual	Organization	Responsibility	Contacts
1	Mohamed Hussien	Afar BoLAND,	Deputy Bureau Head for NRM	0908 853825/26
2	Hassen Abdilahi	Somali BoLRPD	Pastoral Development Director	0911988213
3	Muhammed Mussa	Afar BoLAND,	NRM Director	0914143319
4	Fikre Zerfu	Jigjiga University	Ass. Professor, Monitoring and Evaluation Officer for Office of Vice President of Research and Community Service	0945925001
5	Abduselam Mohammed	Samara University		
6	Gezahegn Amza	East African Holding Share Company	General Manger	0935405100
7	Habtamu Arage	MoIT		
8	Beruk Yemaneh	Ethio Feed PLC	General manager	0911194745
9	Alawis Ahmed	Consultant	Professional Advisor	0911745919
10	Christian Dohse	GiZ, Strengthening Drought Resilience	Project manager	0989059902
11	Dubale Admasu	USAID Ethiopia	Resilience Advisor	0912506881
12	Sadiya Mohamed Mussa	PENHA Somaliland	Country Representative	
13	Mohameed Muhammad	GIZ, Afar	NRM advisor	0911679623
14	??	WB/IFAD Lowland Livelihood Resilience Activity	Afar and Somali Regional Coordinators	
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ote: Membership is open to those interested to participate and contribute



Prosopis Management National Technical Advisory Group

Members:

ESAP, EIAR; AAU, EIoB, MoA, MoP, MoTI, EFCCC, IGAD, ILRI, CARE,
USAID, GIZ, EFRI, VSFS, NCSC

ToR developed

Integrated Prosopis Management & Utilization Work Plan

Title: Multi-stakeholders Partnership for Integrated Prosopis Management & Utilization in eight Woredas of Afar & Somali region.

Pilot woredas:

Afar Region- Amibara, Gewane, Afambo & Aysaita;

Somali Region - Kelafo, Kebridahar, Degehabur, Erer, Shinile

Implementation framework: National Prosopis Management Strategy & Field Guide,

Time frame: Start time 2021

- Manage *Prosopis* invasion in eight target woredas through:
 - *prevention of new invasion,*
 - *promote **environmentally friendly, socially inclusive, technically appropriate, legally acceptable and economically sound** management practices, large- and small-scale commercial utilization of prosopis biomass for energy, feed, wood & wood products,*
 - *Reclamation of cleared areas that have potential for fodder (natural pasture and improved fodder), food and cash crop production and other ecosystem services.*

Content of IPMUP

What-specific activities

How-process

Milestones-progress

Lead organization: specific

Participating key Stakeholders

When-time frame ??



Integrated Prosopis Management & Utilization Work Plan (IPMUP)

No	What ?	How ?	Milestones	Lead organization	Participating key Stakeholders
1	<p>Consultation with community & local government partners on IPMU</p>	<ul style="list-style-type: none"> • Organize workshops with Region, zonal woreda administration & community leader <ul style="list-style-type: none"> ✓ Aysaita- Ayasita & Afambo ✓ Awash Fentale- Gewane & Amibara, ✓ Jijjjiga- Kelafo, Kebridahar, Degehabur & Erer, Siti • Establish <i>Prosopis</i> management steering committee at regional level & task force at regional and target woreda level based on ToR in the N/Strategy 	<ul style="list-style-type: none"> • WS reports • Clear Steps to develop woreda level IPMUP 	<ul style="list-style-type: none"> ✓ BoLAND (Afar & Somali) ✓ Bureaus of Trade - Afar & Somali ✓ Land administration and management office ✓ MoA ✓ Woreda PARDO 	<ul style="list-style-type: none"> ✓ National Cement other cement factories and Ethio-Feed (PLC) ✓ RiPA (USAID) ✓ SDR (GIZ) ✓ LLRP (WB/IFAD) ✓ FAO ✓ Samara & Jijjiga universities ✓ Afar & Somali Research Institutes PADO, ✓ NGOs

No.	What ?	How ?	Milestones	Lead organizations	Participating key Stakeholders
2.	Carryout/Adopt/Update <i>Prosopis</i> resource assessment and mapping				
	<ul style="list-style-type: none"> Current distribution (2021) mapping through remote sensing & GIS Rate of invasion (1980-2021) Invaded land suitability/land use potential assessment 	Obtain satellite images, GCPs, Calibration & Modeling	Revised <i>Prosopis</i> distribution maps for target Woredas Suitability maps for land use	<ul style="list-style-type: none"> ✓ WLRC-AAU ✓ SU ✓ JU <ul style="list-style-type: none"> ✓ HU ✓ MU 	<ul style="list-style-type: none"> ✓ BoLAND (Afar & Somali) ✓ LU & Administration & Environment Protection Bureau ✓ PADO ✓ Customary Leaders ✓ DPs ✓ Ethiopia geo-spatial institute

No.	What ?	How ?	Milestones	Lead organization	Participating Stakeholders
3	Biomass estimation (Biomass strata development i.e., amount of biomass per unit area)	<p>Literature review of previous works</p> <p>Convert the potential map into biomass map</p>	<p><i>Prosopis</i> biomass report for target Woredas by location (pilot areas)</p> <p>Validated biomass data</p>	<p>Geography-AAU SU JU</p>	<ul style="list-style-type: none"> ✓ Lowland Liv. Resilience Program (LLRP-WB/IFAD) ✓ USAID-Resilience in Pastoral Areas Project (RiPA) & USAID-Land Governance Project -SDR (GIZ) ✓ Local NGOs ✓ PENHA, ✓ Customary Institutions

No.	What?	How?	Milestones	Lead organization	Participating key Stakeholders
4	<p>Adopt or initiate participatory research on</p> <ul style="list-style-type: none"> • Livestock feed • Energy use • Wood & wood product • Woodlot • Cleared land use • Management options • Resource based conflicts 	<p>Networking with ongoing or new researches, demonstration site, agronomic practices, lab testing,</p> <p>Continuous data recording & analysis, Identify suitable/ Best technologies</p>	Research update reports	Samara & Jigjiga University Research Centers	<ul style="list-style-type: none"> ✓ Lowland Resilience Program (LRP-WB/IFAD) ✓ Pastoral Areas Resilience Activity (PARA) & Land Governance Project - USAID ✓ SDR (GIZ) ✓ Local NGOs ✓ PENHA, ✓ Customary Institutions

No.	What ?	How ?	Milestones	Lead organization	Participating key Stakeholders
5	<p>Land use (LU) certification/ permit and land use planning in pilot Woredas - Agree on land use before clearance based on the potential of the land</p>	<ul style="list-style-type: none"> ✓ Adopt or develop PRM plan ✓ Participatory LU planning ✓ Land use permit/ agreement documents 	<ul style="list-style-type: none"> ✓ #PNRMPs - selected areas ✓ #PLUPs for selected areas ✓ #Hectarts land for PS use ✓ # land use permits/ Agreement docs 	<ul style="list-style-type: none"> ✓ Customary leaders ✓ BoLAND (Afar & Somali) ✓ LU & Administration & Environment Protection Bureau ✓ MoA-LAUD ✓ Jigjiga, Samara Universities, AAU 	<ul style="list-style-type: none"> ✓ Lowland Resilience Program (LLRP)-WB/IFAD ✓ USAID Resilience in Pastoral Areas Project & Land Governance Project ✓ SDR (GIZ) ✓ Local NGOs ✓ PENHA, ✓ Customary Institutions¹⁶

No.	What	How ?	Milestones	Lead organization	Participating key Stakeholders
6.	<p>Commercial utilization of <i>prosopis</i> products</p> <p>Products business study:</p> <ul style="list-style-type: none"> • Energy (small & large scale), • Feed, • Wood products. 	<ul style="list-style-type: none"> • Amend/conduct prosopis products value chain analysis/ • Revise feasibility study of using <i>Prosopis</i> biomass for national cement factory energy production • Public awareness creation 	<ul style="list-style-type: none"> ✓ Value chain reports, ✓ Revised FS reports, ✓ PS use agreement docs 	<ul style="list-style-type: none"> ✓ DPs ✓ PS (Ethio-Feeds, Cement Industries, other companies, etc.) ✓ Universities ✓ EIAR ✓ Job Comission 	<ul style="list-style-type: none"> ✓ VSFS ✓ PENHA ✓ BoLAND, BoANRD ✓ Communities ✓ MoA ✓ Mol ✓ LLRP ✓ RiPAP

No	What ?	How ?	Milestones	Lead organization	Participating key Stakeholders
7	<p>Product use and marketing license:</p> <ul style="list-style-type: none"> - Federal - Regional - Scale- small, medium, large 	<p>Government procedures</p> <p>Business model and linkages</p> <p>Facilitate formal utilization modalities – Contract agreement, PLC, etc.</p>	<p>Licenses <i>prosopis</i> commercial use</p>	<ul style="list-style-type: none"> ✓ MoTI, BoLAND (Afar & Somali) ✓ Bureaus of Trade-Afar & Somali 	<ul style="list-style-type: none"> ✓ National Cement other cement factories and Ethio-Feed (PLC) ✓ RIPA (USAID) ✓ SDR (GIZ) ✓ LLRP (WB/IFAD) ✓ FAO ✓ Samara & Jigjiga universities ✓ Afar & Somali Research Institutes PADO ✓ NGOs

No.	What to be done?	How to Do?	Milestones	Lead organization	Participating key Stakeholders
8	Conduct/ amend ESIA	Hiring authorized consultants	ESIA report	International Finance Corporation/ Cement factories	<ul style="list-style-type: none"> ✓ LLRP (WB/IFAD) ✓ RiPA (USAID) ✓ SDR (GIZ) ✓ FAO ✓ AAU, Samara & Jigjiga Unis ✓ Afar & Somali Research Institutes ✓ PADO ✓ NGOs ✓ EFCCC ✓ Regional EP Offices

No.	<i>What to be done?</i>	<i>How to Do?</i>	<i>Milestones</i>	<i>Lead organization</i>	<i>Participating key Stakeholders</i>
9	Regulation and formal agreement for use	Hosting meetings with communities & local government staff for business negotiations <ul style="list-style-type: none"> - Community consultation and engagement guide - Access and use right - Agreement on use type 	Community expectation mapping <ul style="list-style-type: none"> - Prioritize areas for use - Community benefits - 	<ul style="list-style-type: none"> ✓ MoTI, BoLAND (Afar & Somali) ✓ Bureaus of Trade-Afar & Somali 	<ul style="list-style-type: none"> ✓ National Cement other cement factories and Ethio-Feed (PLC) ✓ PARA (USAID) ✓ SDR (GIZ) ✓ LRP (WB/IFAD) ✓ FAO ✓ Samara & Jigjiga universities ✓ Afar & Somali Research Institutes PADO ✓ NGOs

No.	<i>What to be done?</i>	<i>How to Do?</i>	<i>Milestones</i>	<i>Lead organization</i>	<i>Participating key Stakeholders</i>
10.	Support implementation of PMUP	<ul style="list-style-type: none"> ✓ Awareness creation to prevent new invasion ✓ Implement the value chains initiatives- introduce innovative business opportunities to the communities ✓ Support land reclamation for food & fodder/ pasture production in potential areas 	Agreed & signed plan with resources	<ul style="list-style-type: none"> ✓ BoLAND, PADO, NGOs, CI ✓ National Cement, Mesobo & Others, Ethio Feed, PLCs, Cooperatives, etc., ✓ PSNP, WFP, ECHO, PARA (USAID), SDRs (GIZ), LLRP (WB/IFAD) 	Local communities, youth & women groups, associations, etc.

No.	<i>What to be done?</i>	<i>How to Do?</i>	<i>Milestones</i>	<i>Lead organization</i>	<i>Participating key Stakeholders</i>
11	Continuous communication, coordination & partnership building to implement IPMUP	<p>PM NTAG Monthly/ biweekly??? Align approach, progress monitoring meeting;</p> <p>Follow up and support the Regional steering committee at regional level & task force at regional and target woreda level</p> <ul style="list-style-type: none"> - Community mobilization and education 	<p>PM NTAG Monthly biweekly progress meetings minutes</p> <p>PMWG meeting reports</p>	<ul style="list-style-type: none"> ✓ MoA PR ✓ BoLAND (Afar & Somali Region) ✓ Backbone support by Samara & Jigjiga Universities, etc. 	<p>DPs, NGOs, Afar and Somali research institutes, EIAR, EFRI, AAU, Community Representatives</p>

No.	<i>What to be done?</i>	<i>How to Do?</i>	<i>Milestones</i>	<i>Lead organization</i>	<i>Participating key Stakeholders</i>
12	Joint Monitoring, Evaluation, and Learning	<ul style="list-style-type: none"> ✓ Developing common measurement system-indicators, set targets and measure progress quarterly ✓ Field visit - biannual ✓ Identify learning questions and oversee action research 	<p>Area cleared and put under management, land under containment, promising practices identified,</p> <p>- New research areas identified,</p> <p>Income to community-micro</p> <p>Environmental benefit - Reduction CO2 level, ecosystem services</p>	PM-Secretariat, Regional and Woreda Task Force- PM-NTAG	DPs, NGOs, Afar and Somali research institutes, EIAR, EFRI, AAU, Community Representatives

No.	<i>What to be done?</i>	<i>How to Do?</i>	<i>Milestones</i>	<i>Lead organization</i>	<i>Participating key Stakeholders</i>
13	Knowledge Management & dissemination	Establish KM database at Samara & Jigjiga Universities & BoLAND (Afar & Somali)	Operational Data base at two universities	Samara Uni-Afar Jigjiga University-Somali AAU-Federal MoA- Extension	<ul style="list-style-type: none"> ✓ Lowland Livelihood Resilience Program (LRP-WB/IFAD) ✓ Pastoral Areas Resilience Activity (PARA & Land Governance Project - USAID) ✓ SDR (GIZ) ✓ PENHA ✓ IGAD



**Thank you
For Your Attention**