

ENVIRONMENT AND RURAL DEVELOPMENT FOUNDATION(ERuDeF)

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Tittle: Presentation of Mondia value chain Project,
Lebialem highlands.

Case study: Lewoh Fondom

Implementing organisation: ERuDeF

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Women Cooperative Society
SW Cameroon



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Plan

- I. Abbreviation
- II ABS stakeholders
- III. Partners involved in the ABS value chains
- IV. Introduction
 - Background
 - Objective
- V. Activity and Results
- VI. Lessons learned
- VII. Impacts
- VIII. Challenges
- IX. Recommendation
- X. Conclusion

ABBREVIATION

ABS: Access and Benefits Sharing

LeWoCoS: Lewoh Women Cooperative Association

MoBECoS: Mount Bamboutos Echinops Cooperative Society

BaCulDA: Magha-Bamumbu Cultural Development Association

MAT: Mutually Agreed Terms

PIC: Prior informed Consent

GR: Genetic Resource

MW: *Mondia whitei*

EG: *Echinop giganteus*

TR: Traditional knowledge

PARTNERS

- ❖ **Funding partners:** *V. Mane Fils enterprise in France, Mane Foundation, Agence Francais de Development(AFD), ERuDeF.*
- ❖ **Technical partners:** *Man and Nature, MINEPDED, University of Dschang, GIZ, and ERuDeF Institute*
- ❖ **Local partners:** *LeWoCoS, MoBECoS; Alou and Wabane; Councils; Magha-Bamumbu and Lewoh Communities.*
- ❖ **Publicity partner:** *Green vision Newspaper; Cameroon Business Newsletter and ERuDeF*

Introduction

❖ **Background**

The ABS regime was adopted in 2010. The first experience in Cameroon came after the discovery of an important genetic resource(EG) in Magha Bamumbu.

The French company, V.Mane fils was the first enterprise with projected interest on the exploitation of this resource for her fragrance industry. This was further enhanced with the signing of the pre PIC document that warrant the exploitation of the GRs by the company for the research and development phase of the project. In 2015, another document was signed between the community of Magha and V.mane fils to commence the commercialization phase.

In 2013 another plant of interest was discovered in Lewoh. This saw the signing of MAT for the research and development in 2016. The project was funded by V.Mane fils company. Since 2012, ERuDeF has been coordinating and implementing the ABS project in the Lebialem highland.

What is the meaning of genetic resource?•

☐ Introduction cont.

Main Objective: sustainable methods of Mondia production in the Lebialem highlands.

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□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

❖ Activities and results of objective 1.1:

1.1 Ethno-botanical studies of *Mondia whitei*

Results: This was done through survey. Data were computed and analyzed and presented. Lewoh was chosen as the pilot site to host the Echinops value chain

1.2. cartography of the area and map for the distribution of *Mondia* in Lewoh.

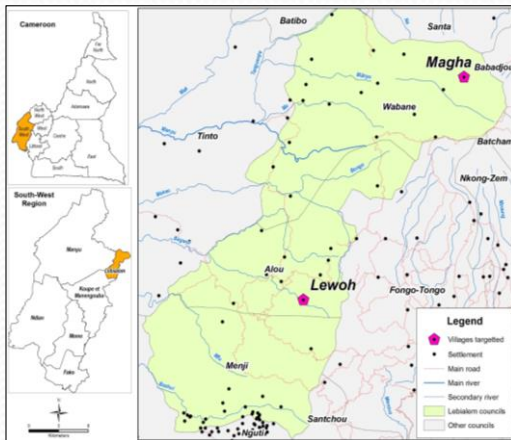


Fig 1: cartography of the area

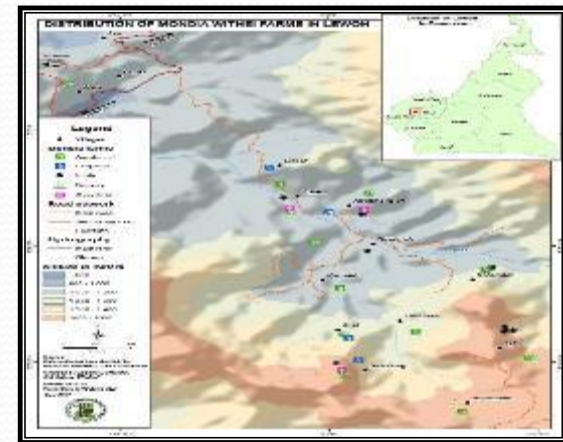


Fig 2: Distribution of *Mondia* in Lewoh

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.1. Agronomic test of *Mondia whitei*

Result: Three major seed beds were constructed for the agronomic test.



Fig 3: construction nursery bed



Fig 4: weeding of *Mondia* seedlings

ACTIVITIES AND RESULTS

For *Mondia whitei*

Activities and results of objective 2:

2.2. Plantation test for *Mondia whitei*, 4,000 *Mondia* seedlings from the nurseries were transported to the plantation site

Results: 3674 *Mondia* vine survived



Fig 5: planting of Seedlings

Name of farmer

Planted site and number of survived *Mondia* plants

	Agroforest				Openfield				Insitu				Cropland				Altitude
	Stems planted	Stems aligned	Stems aligned	Total Survived	Stems planted	Stems aligned	Stems aligned	Total Survived	Stems planted	Stems aligned	Stems aligned	Total Survived	Stems planted	Stems aligned	Stems aligned	Total survived	
Cherita	100	50	80	130													1139
Ajilam Ocila	80	30	70	105													1202
Ngaji Peter									20	20	200	100					1121
Miangong													70	x	300	172	1131
Alphonse									20	x	80	100					1028
Miangong Felix					70	x	x	12									1130
Miangong Vincent	x	50	x	17													1139
Fuakikila Confort					70	x	80	75									1054
Fuakikila Angeline									20	x	x	45					1060
Acta Clementine	150	200	100	255									x	x	30	35	1109
Miangamaw Cecilia	200	x	x	100					200	x	x	75					1208
Miangany Fritia	200	x	x	110													1287
Mamy Nika	40	x	30	37									x	x	30	14	1273
Fotuh Lucie													x	x	120	150	1387
Miangany Sebastian	x	x	200	141	100	200	200	141	x	x	200	100					1471
Miangany Dorcas	400	x	50	250													1514
Agenda Helen	30	x	x	15													1102
Miangany Martin	x	300	x	84					x	x	250	300					1413
Total	1205	1108	540	1472	380	300	480	623	300	20	740	740	70		330	305	

Miangany nursery

445

Sorens

45

Fig 6: survived mondia vines

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.3 reorganization of the cooperative(LeWoCoS) and management committee for the Mondia project

Results: 17 women cooperative members were trained on books keeping and cooperative **management**



Fig 7: executive board of LeWoCoS



Fig 8: the management committee members

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.4. Sensitization of the elites and local administration on ABS regime

Results: forty(40) persons sensitized, 25 women and 15 men



Fig 9: sensitization meeting on ABS regime

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.5. Signing of the MAT research for Mondia

Results: One MAT research was signed between the Lewoh community and V.Mane fils company to commerce research



Fig 10: signing ceremony(Fon of Lewoh, the Minister and V.Mane fils)

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.6. Distribution of working tools to the community of Lewoh

Results: Seventeen working tools were distributed to 17 committed farmers



Fig 11: tools distributed to farmers

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.7. Training of Lewoh community members on sustainable production of *Mondia*

Results: 28 community members took part in the training. 5 men and 23 women were involved



Fig 12: training meeting on sustainable production of *Mondia*

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Activities and results of objective 2:

2.8. Exportation of the MW roots from 2016-2018 for essential oil and biochemical research and development

Result: 181Kg of MW roots were exported to France for research and development



Fig 13: Mondia roots for research and development

□ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Specific objective 3: commercialization phase for *Mondia*

Activities and results of objective 3:

3.1. Training of community members on sustainable *Mondia* roots harvesting

Result: 28 Lewoh community members were trained on roots harvesting



Fig 13: training meeting on sustainable *mondia* roots harvesting

❑ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Specific objective 3: commercialization phase for *Mondia*

Activities and results of objective 3:

3.2. Training of cooperative members on collection, drying, packaging and transportation of *Echinops*

Result: 12 members took part in the processing of *Mondia* roots



Fig 15: training on *Mondia* root processing



Fig 14: the drying station for root processing

❑ ACTIVITIES AND RESULTS

❖ For *Mondia whitei*

Specific objective 1.3: commercialization phase for Mondia


Activities and results of objective 3:

3.3. Training of cooperative(LeWoCoS) members on books keeping and cooperative management

Result: 20 members took part in the training



Fig 16: training of cooperative members



B.S. OF LEWOCA as of 31st Dec 2016			
ASSETS	LIABILITIES	EQUITY	
Fixed Assets	Current Liabilities	Capital	
Land	Accounts Payable	Share Capital	
Buildings	Short-term Debt	Reserves	
Equipment	Long-term Debt	Retained Earnings	
Intangible Assets			
Current Assets			
Accounts Receivable			
Inventory			
Prepaid Expenses			
Other Current Assets			
Total Assets	Total Liabilities	Total Equity	
Working Capital = Current Assets - Current Liabilities			
Total = Assets = Liabilities + Equity			

Fig 17: balance sheet illustration

☐ Lessons Learned

❖ For Mondia

Specific objective 4: lessons learned

Activities and results of objective 4:

☐ **4.1. Lessons learned in the research and development phase**

Result 1: Mondia does well insitu than exsitu

Result 2: Mondia grows best in higher altitudes than in Lower altitudes.

Result 3: Mondia grows best in dark humus soil type

Result 4: Adequate sensitization on ABS is still very much required

Result 5: the chiefs put in much efforts than the Fon for the success of the project hence demanding for their own share of benefits

Result 6: Mondia grows best in the forest zone than Savannah

❑ Impact to the Lewoh community

❑ Impacts to the Lewoh community :

Imp 1. income generated from the supply of Mondia roots by the community has been used to support children's education (Nkenganyi Sebastien)

❑ Challenges and Recommendation

❑ Challenges faced during project implementation:

Chl 1. Most community members are involved in other agricultural activities. This makes it difficult to mobilize them for workshops and training.

Chl 2. Mondia roots are still being collected from the wild, making it difficult to access the hilly landscape in the rainy season.

Chl 3. The crisis in the NW and SW has made it difficult for activity implementation in the Lebialem Division.

❑ Recommendation

Rec 1. More sensitization on ABS should be carried out in Lewoh

Rec 2. The ecological studies for Mondia should be scaled up to better understand the characteristics of the plant.

□ General Conclusion

The ABS value chain in the two communities is a regulatory tool that has come to help communities in the Lebialem highlands to enjoy their resources through sharing of benefits from the commercialization and the use of their traditional knowledge. ERuDeF is the first National Non governmental organization in sub Sahara African that has covered much on ABS with some local communities. Despite all what has been done, more is still to be done in Cameroon as far as ABS process and implementation is concerned. ERuDeF will be extending its ABS program in Cameroon, to other regions of the country. This will be through the development of a new project called: the ABS in conservation. This project will be focused around protected areas that ERuDeF will be supporting. It is also important to note that, a book on ABS in Cameroon is under production and will be available to the public at our earliest convenient.