

# Capacity Development

## Field day report on: Farmer's field day on Multipurpose trees benefit and plantation

### Date: 28 March 2018

**Project title:** SUSTAINABLE SILVOPASTORAL RESTORATION TO PROMOTE ECOSYSTEM SERVICES IN TUNISIA

**Pilot site:** Ouled Sbaihia (Zaghouan, Tunisia)

**Source of funding:** FAO – W3/Bilateral

**BUS number:** 200310

**Starting date:** 26 November 2017

**Ending date:** 31 March 2019

**Project leader:** Dr. Mounir Louhaichi

**Main Partner :** Direction Générale des Forêt (DGF) **Focal Point:** Mr. Jamel Kailene

**Other national partner:** Ministry of Agriculture (CRDA); ESAM, GDA Ouled Sbaihia, and INGRES.

**Objective:** The overall objective of the project is to build resilience of a silvopastoral production system through reduced climate change impact and increased resilience to environmental impacts and natural disasters. The project also targets strengthening the capacity of communities as well as building regional platforms for knowledge sharing and collaboration.

**Target beneficiaries:** Smallholder farmers, livestock keepers and extension agents

**Activity mapped to CRP:** CGIAR Research Program on Livestock

**Lead Center:** International Livestock Research Institute

**Flagship:** Livestock and Environment

## Farmer's field day on Multipurpose trees benefit and plantation

Date: **28 March 2018**

Location: **Community based Organization of Oued Sbaihia (Oued Sbaihia – Tunisia)**

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|----------------------|---|
| 9:30 AM to 10:30 AM  | <b>Welcome and presentation of the project activities in Oued Sbaihia</b><br>Dr. Slim Slim  |
| 10:30 AM to 11:30 AM | <b>Presentation on: cultivation, use and benefits of multipurpose trees:</b> <ul style="list-style-type: none"><li>○ <b>Carob tree (<i>Ceratonia siliqua</i>),</b></li><li>○ <b>Atriplex (<i>Atriplex nummularia</i>)</b></li><li>○ <b>and Medicago (<i>Medicago arborea</i>)</b></li></ul> Dr. Slim Slim |
| 11:30 AM to 12:30 PM | <b>Trees seedling plantation demonstration</b><br>Dr. Slim Slim   |
| 12:30 PM to 14:00 AM | <b>Lunch and wrap-up</b>  |

## Minutes: Farmer's field day on Multipurpose trees benefit and plantation

Farmers day training was organized on the 28<sup>th</sup> of March 2018 at Community based Organization of Oued Sbaihia (Oued Sbaihia – Tunisia). Training of group of 15 farmers (Appendix 1) was facilitated by Dr. Slim Slim (director of studies and internships - Higher School of Agriculture of Mateur). Dr. Slim welcomed the participants of the training day and presented the main aim of the training as to present participants about the different components and activities of sustainable silvopastoral restoration to promote ecosystem services in Tunisia Project in Oued Sbaihia and the role of the multipurpose trees, benefits uses and environmental impact.



During his presentation about the multipurpose trees, Dr. Slim mentioned the main three trees species the project is working on: this includes: Carob tree, *Atriplex nummularia* and *Medicago arborea*, the three species have adaptations that help them survive and thrive under Zaghwan conditions. Carob tree is an ornamental evergreen species multiple tree as the roasted pulp can be used for food: it can be diluted to make carob syrup. The sweet fruits/pods themselves are used as a delicious and nutritious food, at the same time Carob can be used as a source of feed. Carob leaves and round pods derived from the carob trees can be fed to livestock. the pod husks cab be used for medicinal purposes.

*Atriplex nummularia* is a perennial halophyte species that can survive in harsh conditions and commonly utilized as palatable forage shrubs. *A. nummularia* is also used as a windbreak and erosion control as well as a mean to rehabilitate the degraded lands.

*Medicago Arborea* is a legumes species that can be used to enhance the soil quality through nitrogen fixation. It is a nutritious feed rich in protein, a very important plant for honey bees.

After that, Dr. Slim explained the ways to plant the seedlings of this species. He explained the characters of the good seedlings that insure good trees. the group went to demonstrate the planting methods, of these seedlings and the best agronomic practices to insure good growth of the seedlings. Many answers were asked by the participants regarding the requirements of these trees and when to start utilization these trees. Dr. Slim Answered all the questions. Participants showed great interest to grow these trees and asked how to get the seedlings.

Later one, each farmer got seedlings from the three species to plant them in their lands.







## Appendix 1

### List of Participants:

(Personal information including Name, Business Title, Email, Phones, Images and GPS points included in this report have been authorized in writing or verbally by the data subject).



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ICARDA

Science for resilient livelihoods in dry areas

**Multipurpose trees field day - Pilot Initiative on Sustainable Silvopastoral Restoration to Promote  
Ecosystem Services Sbaihia Site, Zaghouan - Tunisia**  
- **List of Participants** -

Wednesday, March 28, 2018 – GDA Sbaihia

Nº	Nom et Prénom	Institution	Email/phone	Signature
1	Karlene Jawel	G.F.D.A		
2	Aguil Ayada	G.F.D.A	g.f.d.a.sbaihia@gmail.com	
3	Radhia Jibril	G.F.D.A	"	
4	Saïda Ben Kamel	G.F.D.A	"	
5	عبد القادر القوي	فلاح	"	
6	مولاي القوي	فلاح	"	
7	صالح بوعنانية	فلاح	"	
8	حاجي مسعود	حارس غابات		
9	حميد بوقاوي	فلاح		
10	البشير تفسون			
11	فاطمة القوي	فلاح	+	





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12	Mouna Matarra	فلاحة	"	
13	Sluis Sluis	ICARDA	98/2238	
14	عمادة العقويد	G. F. D. A		
15	عاطية بن خليفة	مزرعة		
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