Training course

Application of Biosaline Agricultural Systems in Salt-Affected North African Areas





Organizer

International Center for Biosaline Agriculture (ICBA), United Arab Emirates

Institut National Agronomique de Tunisie (INAT), Tunisia

Funding Agency

PAPS Project, Ministry of Agriculture, Water Resources and Fisheries, Tunisia

Partners

NARS of Tunisia Participants from Algeria, Libya and Morocco

Trainers

Dr. Makram Belhaj Fraj, ICBA Dr. Abdullah Al Shankiti, ICBA

Course Coordinators

Dr. Youssef Trifa, INAT Dr. Ali Sahli, INAT Date: 10-14 April 2017 Venue: Djerba, Tunisia

Background

North African farms face challenges related to economic expansion, sustainable use of saline water, and soil conservation. These farms are generally located in agro-ecological zones characterized by semi-arid climates where irrigation water salinity exceeds 7 dS/m in many cases, and high temperatures and evaporative demand, and a high risk of soil salinization are prevalent.

With these constraints to agricultural production, biosaline agricultural systems make it possible to achieve the expected agricultural returns on investment by customizing solutions for the use of available saline water for irrigation, selection of the adapted cropping systems composed of salt-tolerant fodders for animal feeding, optimization of the crop management systems enabling higher productivity, and recycling of the farm byproducts to enhance soil fertility.

This training course focuses on:

- 1. Salinity Assessment
- 2. Crop Diversification: selection of new adapted crops
- 3. Optimizing irrigation and other management systems for new crops
- 4. Set-up of scalable integrated fodder-livestock models

Agenda

08:30-09:00

Monday, 10 April 2017

Registration

00.30-03.00	Registration
09:00-09:30	Inauguration Session
	Welcome addresses
	Introduction of participants
	Group photos
09:30-10:00	Tea/Coffee Break
10:00-10:30	Lecture 1: Salinity assessment (Dr. Abdullah Al Shankiti)
10:30-11:30	Exercise 1: Case studies (related to Lecture 1)
11:30-12:30	Presentation of Working Groups 1, results and discussion
12:30-13:30	Lunch Break
13:30-14:00	Lecture 2: Crop diversification (Dr. Makram Belhaj Fraj)
14:00-15:00	Exercise 2: Case studies in key agro-ecological zones (related to Lecture 2)
15:00-16:00	Presentation of Working Groups 2, results and discussion
1600-1630	Discussion of practical problems raised by participants