



G20 GLOBAL  
LAND INITIATIVE

4-day training workshop on:

# BIOSALINE AGRICULTURE AS AN APPROACH TO LAND RESTORATION

6-9 November, 2023 | Dubai, United Arab Emirates

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نزرع للغد

**ICBA**  
AGRICULTURE FOR TOMORROW



UNITED NATIONS DECADE ON  
**ECOSYSTEM  
RESTORATION**  
2021-2030



Last day to apply  
15 August 2023

# Biosaline Agriculture as an Approach to Land Restoration



This workshop will offer a set of comprehensive modules on land restoration in marginal environments through biosaline agriculture. The program will cover such topics as location-specific techniques for land restoration and stabilization in such environments. It will also provide an overview of the global impacts of climate change on natural vegetation and other things, the importance of crop biodiversity and integrated cropping systems, sustainable land and water resources management measures, and other important topics related to marginal environments such as salinity management. Moreover, it will present the options of using salt-tolerant food and feed crops and agroforestry systems for soil rehabilitation and salinity mitigation as well as for saving freshwater resources.

Participants who complete the course will understand:

- The impacts of climate change at a global scale;
- Global land biodiversity and utilization and the identification of the climatic and environmental conditions in arid regions;
- Biodiversity for marginal lands with a special emphasis on salt, drought, and heat stresses;
- Agricultural biodiversity benefits for land restoration and the development of biological intervention options for land restoration;
- Irrigation requirements and management for different crops;
- Management of soil nutrients and fertilization requirements with soil sampling methods and analysis;
- Land restoration and integrated management procedures.

## THE WORKSHOP IS DESIGNED FOR:

Experts, technicians, extension officers and university students working and/or studying in fields related to crop and natural resources management systems (CNRM) with a particular focus on biosaline agriculture. Participants should be able to disseminate their knowledge on alternative solutions among smallholder farmers afterwards and enable them to meet their food and feed needs in the context of climate change.

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[Register Today](#)



For more information, please  
contact: [abose@unccd.int](mailto:abose@unccd.int)



## ABOUT THE INTERNATIONAL CENTER FOR BIOSALINE AGRICULTURE (ICBA)

The International Center for Biosaline Agriculture (ICBA) is a unique applied agricultural research center in the world with a focus on marginal areas where an estimated 1.7 billion people live. It identifies, tests, and introduces resource-efficient, climate-smart crops and technologies that are best suited to different regions affected by salinity, water scarcity, and drought. Through its work, ICBA helps to improve food security and livelihoods for some of the poorest rural communities around the world.

More information on ICBA can be found at [www.biosaline.org](http://www.biosaline.org)

## ABOUT G20 GLOBAL LAND INITIATIVE

The ambition of the G20 Global Initiative on Reducing Land Degradation and Enhancing Conservation of Terrestrial Habitats (G20 Global Land Initiative) launched during the Saudi Arabian Presidency is to achieve a 50 per cent reduction in degraded land by 2040. To inspire all stakeholders to collectively deliver on land conservation and restoration outcomes: we showcase success stories; engage the private sector; empower civil society and the public; and share knowledge to build capacity among G20 members as well as interested non-member countries and other stakeholders.

More information on the initiative can be found at [www.g20land.org/](http://www.g20land.org/)

## COURSE FACILITATORS

The course is provided by ICBA scientists with an average of 15-25 years of experience in solutions-based approaches to marginal environments.

- **Course Coordinator:** Ghazi Al-Jabri, Capacity Development Specialist, ICBA
- Dr. Ahmed H. El-Naggar, Soil Management Scientist
- Dr. Asad Sarwar Qureshi, Senior Scientist – Water and Irrigation Management
- Dr. Henda Mahmoudi, Plant Physiologist
- Dr. Khalil Ammar, Program Leader on Sustainable Natural Resources Management, Principal Scientist – Hydrology/Hydrogeology
- Dr. Mohammed Shahid, Geneticist
- Dr. R.K. Singh, Section Head, Program Leader on Crop Diversification and Genetics, Principal Scientist – Plant Breeding
- Mr. Rashyd Zaaboul, Modeler – Climate Change
- Dr. Zied Hammami, Agronomist

**Language of Instruction:** English

**Course Duration:** 4 days

**Dates:** November 6-9, 2023

**Course Fee:** The course will be free of cost for the selected candidates. Travel support will be available to participants on a need basis.

**Continuing Education:** This course is accredited by CPD Certification Services in the UK.

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