# Development and optimization of halophyte-based farming systems in salt-affected Mediterranean soils

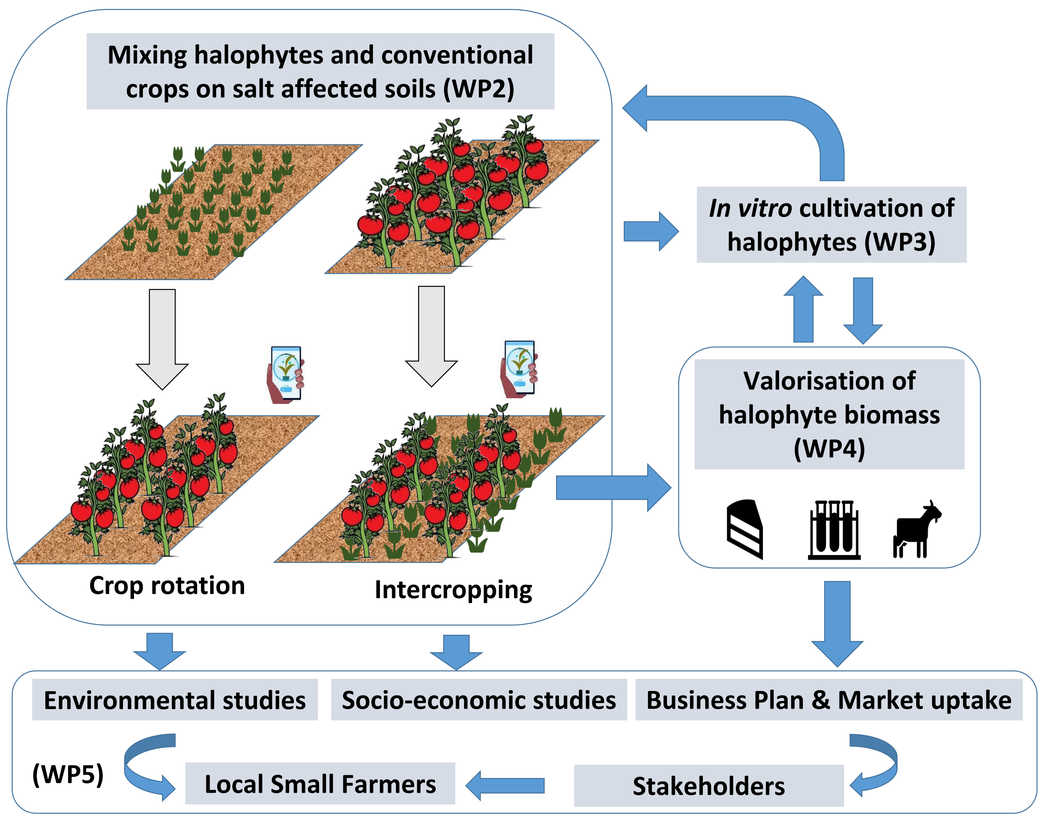
## HaloFarMs

**Programme**: PRIMA Section 2
**Thematic area**: Farming systems
**Starting date**: 01-10-2020
**Total budget**: 847.872 €
**Duration**: 36 months
**Coordinating country**: Tunisia
**Coordinating institution**: Centre de Biotechnologie de Borj Cédria (CBBC)
**Scientific Coordinator:** Karim BEN HAMED

## HaloFarMs in brief

HaloFarMs develops innovative eco-friendly and sustainable agricultural and production systems in salt-affected Mediterranean soils, using naturally salt tolerant plants, the halophytes.

## HaloFarMs concept and structure




## Specific objectives

- ✓Desalination of saline soils by mix cropping halophytes on salt-affected soils, with important Mediterranenan cultivated crops.
- ✓Cultivation of halophytes in salt-affected marginal soils irrigated with saline water.
- ✓Characterize the biomass produced by mixed cultures: nutritional, pharmaceutical and veterinary properties.
- ✓*In vitro* cultivation of halophytes to provide elite clones for salt remediation and for commercial farming systems
- ✓Enhance knowledge dissemination and capacity building in new farming systems in saline soils.

## Consortium


- Centre of Biotechnology of Borj Cedria **(CBBC)**
- Centre of Researches and Technologies of Water **(CERTE)**
- Desert Research Center **(DRC)**
- Agencia Estatal Consejo Superior de Investigaciones Cientificas, M.P. **(CSIC)**
- Université de Bretagne Occidentale **(UBO)**
- Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement **(INRAE)**
- Università di Pisa **(UNIPI)**
- Centro de Ciências do Mar do Algarve **(CCMAR)**

## National funding agencies