



## Dissemination activities

The CLICHA project was designed with a vigorous dissemination policy in order to make the outcomes of the project accessible to a wide range of stakeholders.

Unfortunately, the onset of the pandemic of COVID-19 and the protective measures adapted by all the states of the world, made it impossible for a wide range of activities to be realized, especially those who involved the presence of large groups of people.

So as to overcome those barriers, the consortium decide to organize a series of open webinars, that could promote the scopes of the project to a wide audience, by choosing subjects that are covered by the project activities, and have an impact on the general awareness regarding climate change.

## Agricultural Biodiversity

The first webinar took place at **27/01/2021** through the ZOOM platform and was broadcasted through the Facebook page of the project. The presented subject was **"The role of agricultural biodiversity in climate change"**.

The subject was covered by two distinguished speakers from the Agricultural University of Athens, Professor Pinelopi Bebeli, from the School of Plant Sciences, and Professor Iosif Bizelis, from the School of Animal Biosciences. The webinar was moderated by the Project Manager of CLICHA, Faye Plakantonaki.

The speakers discussed the consequences of climate change on genetic biodiversity and how could local varieties and breeds help in future food production. Furthermore, the ability local plant varieties and autochthonous breeds to improve climate change mitigation strategies was also discussed.

## Erasmus+ Programme

Erasmus+ is the European Union's program for education, training, youth and sport for the period 2014-2020. It offers many opportunities for students, teachers, staff and higher education institutions (HEIs) around the world.

## Newsletter Topics

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CLIMATE CHANGE IN AGRICULTURE  
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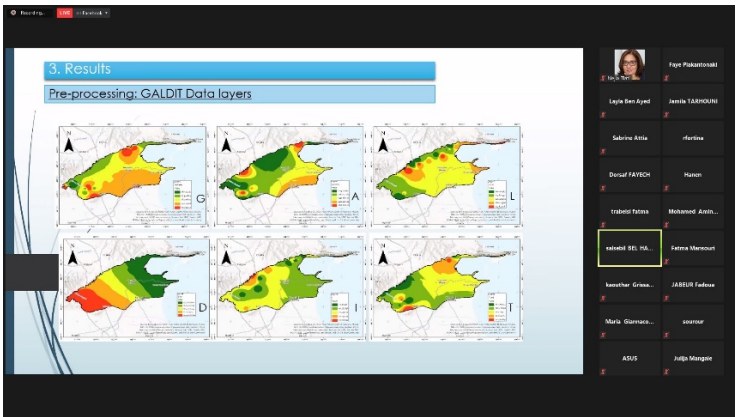
## Climate change and Coastal areas

The second webinar took place at **17/03/2021** through the ZOOM platform and was also broadcasted through the Facebook page of the project. The subject discussed was **“The impact of climate change on coastal area”**.

The group of speakers included Jamila Tarhouni, Nejla Tlatli and Dorsaf Fayech and Jamila Ben Souissi from the University of Carthage as well as Salsabil Bel Haj Ali and Fatma Trabelsi from the University of Jendouba. The webinar was moderated by Layla Ben Ayed from the University of Carthage.

***The coastal zones are the most vulnerable areas to indirect and direct effects of Climate Change***

It is true that the coastal zones are the most vulnerable areas to indirect and direct effects of climatic change. The indirect effects are related to the growing demography along them as well as to anthropogenic activities while the direct effects are related to the change of climatic parameters, mainly the rainfall and the temperature, as well as to the sea level high fluctuation.

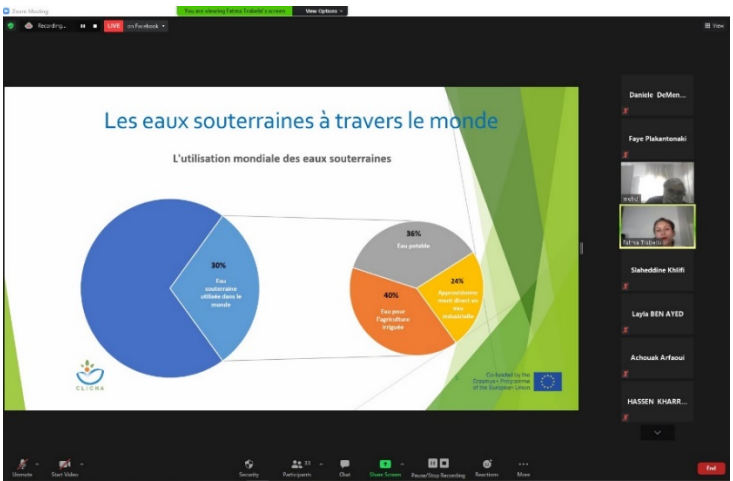


The results of both the indirect (high pressure on groundwater resources for urban water and irrigation) as well as the direct effects (scarcity of rainfall, increase of water evaporation, sea level increase) were discussed in this webinar.

## Overview of delivered courses

The third webinar took place at **07/04/2021** through the ZOOM platform and was also broadcasted through the Facebook page of the project. This webinar covered the topic **“Climate Change & Water management: Overview of delivered courses in the Tunisian Higher Education Institutions”**.

The objective of this webinar was to present the contribution of the 3 Tunisian Higher Education Institutions involved in the CLICHA project (Universities of Jendouba, Carthage and Sousse) in the development of courses content in relation to the impact of Climate Change on water resources. The webinar was organized by the Higher School of Engineers of Medjez El Bab under the auspices of the University of Jendouba and was targeted to Academics and students.



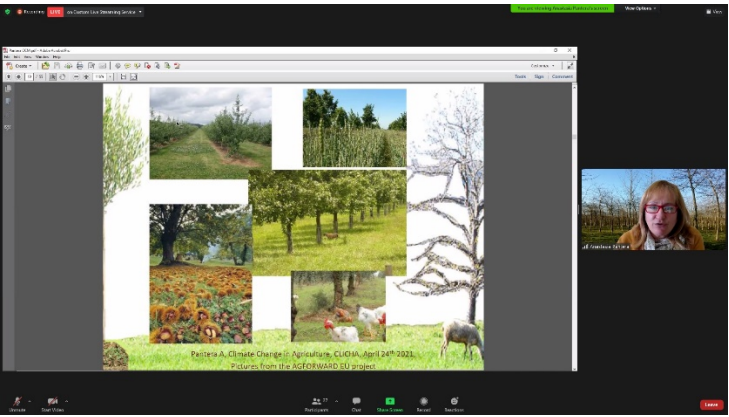
***Climate Change impacts have direct consequences for water management, security and conflict.***

The presented courses cover 5 topics, namely: Impact of climate change (CC) on surface water; Impact of CC on Irrigation: Crop water requirements, impact of irrigation on soil & drainage; Impact of CC on Groundwater resources; Impact of CC on Drinking Water Supply and Public Health; Use of Non-Conventional Water Resources in Climate Change Conditions.

## Agroforestry

The fourth webinar was organized at **28/04/2021** through the ZOOM platform and was also broadcasted through the Facebook page of the project. This webinar covered the topic **“Vegetation evolution, Agroforestry and Climate change”**.

The speaker panel consisted of Professor Anastasia Pantera and Assistant Professor George Fotiadis from the Agricultural University of Athens and the discussion was mediated by Dr. George Symeon, Associate researcher in the Hellenic Agricultural Research Organization.



***Intensive agriculture will add further pressure to the ecosystem's sustainability and balance by the changing climate conditions, with more intense results appearing in the Mediterranean basin.***

Two main aspects were discussed: Vegetation evolution and climate change as well as Agroforestry and climate change. Agroforestry represents a traditional farming system where both above and belowground are used to their maximum capacity to provide products with minimum entrants. However, this climate smart farming system has, in the past few decades, progressively been replaced by intensive monocrops, at the expense of many environmental parameters deteriorating ecosystems’ health.