

Erasmus+ Program

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.

Website: <http://ec.europa.eu/programmes/erasmus-plus/>
facebook.com/EUErasmusPlusProgramme EUErasmusPlus

CLICHA Project

CLimate CHange in Agriculture (CLICHA) is designed, under the general aim of capacity building in higher education, in order to modernize, to improve accessibility as well as internationalization of higher education in the Partner Countries. Those objectives will be released considering all necessary skills for sustainable agriculture, respect of the environment and climate change resilience.

Based on good practices used by the project partners, the project will contribute to improve educational programs and consequently skills of graduate students to cope with climate change, mainly mitigation, resilience and adaptation.

Climate Change and livestock in Tunisia

Tunisia, as most areas bordering the Mediterranean basin, was classified as one of the primary "hot spots" for climate change. Main projected climate change in Tunisia will include an unequivocal rise of the annual average temperature and a probable decrease in annual precipitation with increasing frequency in extreme events as drought.

The main impacts of these changes will be in immediate term a significant decline in the country's water resources and arable cropland which would reduce both forage productivity and quality. Rangeland ecosystems sustainability are also exposed to imminent menaces. Animal production, reproduction and health will also be affected by water restriction and heat stress effects. The risk of livestock diseases associated to climate change could be increased.

In long term, with the increasing of the food demand pressure, the sustainability of livestock-based production systems are among the great threats for food security. Adaptation and mitigation measures are urgent to cope with this challenging situation in almost all Mediterranean countries.

ISA-CM and University of Sousse organize a Business Forum

Livestock Production In Arid and Semi-arid Regions Facing Climate Change

Tuesday, March 12th , 2019, ISA-CM, Sousse



Organizing committee

Dr Chokri THABET, ISA – CM
Dr Rafik ALOULOU, ISA – CM
Dr Yasser HACHANA, ISA – CM
Dr Asma LASRAM, ISA-CM
Dr Asma EL AMRI, ISA – CM
Dr Sameh BOUKEF, ISA- CM
Mr Adel REKIK, ISA – CM
Mr Med Zied AMARA, US

Program committee

Dr Rajouene MAJDOUB, ISA-CM
Dr Linda MAJDOUB, ISA-CM
Dr Mounir MEKKI, ISA – CM
Dr Haifa BOUDEGGA, ISA-CM

Speakers



Pr Mohamed BEN HAMOUDA, Professor/Researcher at INRAT, specialist in Animal Genetic Improvement. He occupied several positions as General Director of Higher school of agriculture Mateur (ESAM), General Director at the Institution of Agricultural Research and High Education (IRESA), General Director of INRAT.



Dr Panagioti KOUTSOULI, Associate Professor at the Agricultural University of Athens, specialist in Animal Genetic Improvement. She is involved in several research programs focusing on genetic of small-ruminants.



Dr Moufida ATIGUI, Associate professor/researcher in animal physiology at higher school of agriculture Mateur (ESAM), Tunisia. She's an expert in lactation physiology and machine milking of dairy animals.



Dr Salah BEN YOUSSEF, Associate Professor/Researcher at INRAT, member of Animal and Forage Production Laboratory. He's expert on forage crops and agronomy. He initiated a R&D program on forage mixtures and intercrops to cope with climate change impacts and protein deficiency in animal feed.



Dr Najla SAYARI, Assistant professor at ISA-CM, specialist in weed science. Her research focuses specially on invasive alien plants (IAP) in Tunisia and integrated control methods.



Pr Hichem BEN SALEM, professor in animal nutrition at INRA Tunisia. Since 2016, Prof. Ben Salem is General Director at the Institution of Agricultural Research and High Education (IRESA) of Tunisia. One of his research program addresses the response of small ruminants to stressors including water restriction and salinity.



Pr Touhami KHORCHANI, a senior researcher in animal production, member and former Head of Livestock and Wildlife Laboratory at the Arid Zone Research Institute (IRA), Tunisia. He's expert in Camel and Goat production. His main research programs focus on valorization of agricultural by products in ruminant nutrition.



Pr Daniele DE MENEGHI, Research scientist /Aggregate Professor at the University of Turin, Fac. Veterinary Medicine and Dept. His main research programs focus on Veterinary Sciences Tropical animal health; Veterinary Public Health (VPH) & One Health (OH); Health management at the livestock-wildlife interface.



Pr Mounir MEKKI, Professor at ISA-CM, a specialist in Weed science and phytopharmacy. Dr MEKKI is a national and international consultant for Food and Agriculture Organization (FAO) in invasive alien plants (IAP) and pesticides.

For more details about CLICHA, see:
Website: www.clicha.eu
facebook.com/CLICHA2018.2021
@Clichaprojet

Contact: Dr Rajouene Majdoub
rmajdoub@yahoo.com

Agenda

8 :45-9:15 : Welcome Speech

Pr Chokri Thabet: General Director of ISA-CM
Pr Ali Mtraoui: President of the University of Sousse
Dr Rajouene Majdoub: Coordinator of CLICHA project at ISA-CM

9:15-10 :50 : Livestock and climate change

Mod : Dr Linda Majdoub

- 9:15 Pr Mohamed Ben Hamouda (INRAT): Livestock and climate change: which genetic choices in arid and semi-arid regions?
- 9:45 Pr Hichem Ben Salem (IRESA): Response of sheep and goats to water and salt stress in the context of climate change in Tunisia
- 10:15 Dr Panagiota Koutsouli (Agricultural University of Athens): Measures to address climate change in livestock
- 10:35 Discussion

Coffee break and stand visit 10:50-11:20

11:20-12:30 : Camels and climate change

Mod : Pr Khemais Kraiem

- 11:20 Pr Touhami Khorchani (IRA-Medenine): Interactions between the dromedary and its environment in a context of climate change.
- 12:00 Dr Moufida Atigui (ESA-Mateur): The dromedary: a dairy animal in a context of climate change.
- 12:20 Discussion

12:30-13:30 : Animal health and climate change

Mod : Dr Mediha Haj Ayed

- 12:30 Pr Daniele De Meneghi (University of Torino, Italy): Case study on control of ticks and tick-borne diseases with acaricides in a traditional livestock system in Southern province of Zambia.
- 13:00 Pr Daniele De Meneghi (University of Torino, Italy): Climate change and transboundary diseases - Rift Valley Fever: is there a risk of introduction in Countries of the Mediterranean basin?
- 13:20 Discussion

Lunch and stand visit 13:30- 14 :45

14:45-15:45 : Forage and pastoral production and climate change

Mod :Dr Asma Lasram

- 14:45 Dr Salah Ben Youssef (INRAT): What forage crops under a changing climate?
- 15:15 Dr Najla Sayari & Pr Mounir Mekki (ISA CM): Impact of climate change on rangeland biodiversity in arid and semi-arid regions.
- 15:35 Discussion

15:45-16:30 : Discussion & Recommendations for High Agricultural Education and Research

Disclaimer: The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.