Main themes

1 - Precision Agriculture: basics and principles

2 - Geographic information systems

3 - Remote sensing and its applications in agriculture (crop mapping and monitoring)

4 - Communication skills and information technologies regarding marketing and sustainability of precision agriculture

Honorary president

Pr. BELGOUMENE Berrezoug

Organizing committee

Pr. MAATOUG Mhamed (President)
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CUPAGIS

is a CBHE ERASMUS+ project involving 10 Algerian and European partners. The aim is to create and modernize curricula in precision agriculture using new technologies in physical sciences, such as Geographic Information System (GIS), big data, remote sensing.

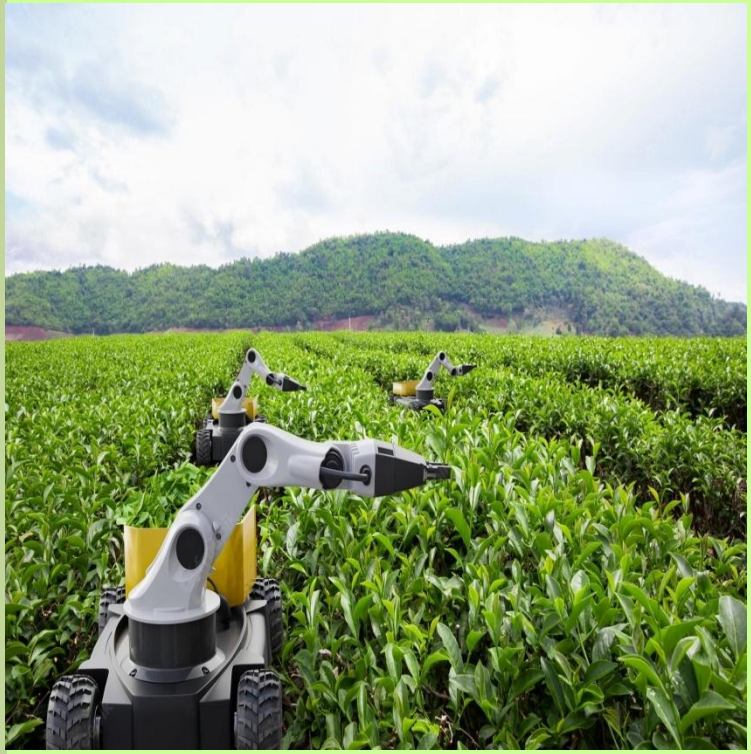
The sequence of events at the University of TIARET includes training sessions for students enrolled in the master studies of precision agriculture in Algerian universities, master classes and the final seminar. The main target of students' training is improvement of communication skills. The themes focus on the use of new technologies in precision agriculture. The final seminar contributes to periodic meetings of partner universities for the evaluation of projects of new training offers in Algeria, in precision agriculture. It is also about restituting the reports of the member teams and the different work packages.

People's Democratic Republic of Algeria

Ministry of Higher Education & Scientific Research

IBN KHALDOUN University of TIARET

Laboratory of Agrobiotechnology & Nutrition in Semi-Arid zones



TIARET 25 th September to 05th October 2022

Training Program

Sunday 25th September
09h30-10h30: Opening ceremony
10h30-12h00: Basics and principles of Precision Agriculture
12h00-13h30 Lunch
13h30-15h00 : L'Agriculture de précision : une alternative pour la réhabilitation du système agraire en Algérie
15h00-16h30 : Techniques d'informations et de communication
Monday 26th September
8h30-10h00 : Introduction aux systèmes d'information géographique
10h00-13h30 Coffee break
10h30-12h00: Plant physiology: Secondary metabolites
13h30-15h00 : Méthodes de cartographie de l'occupation des sols agricoles, se basant sur le calendrier cultural de la région.
15h00-16h30: General laws of telluric radiation
Tuesday 27th September
8h30-10h00: Mechatronics of objects in the field of agriculture
10h00-13h30 Coffee break
10h30-12h00: Automated greenhouse.
12h00-13h30 Lunch
13h30-15h00: Crowdsourcing of Environmental Noise Maps using Smartphones: processing and creating a cartographic display using GIS tools (Part01).
15h00-16h30: Crowdsourcing of Environmental Noise Maps using Smartphones: processing and creating a cartographic display using GIS tools (part02).
Wednesday 28th September
08h30-10h00: Overview of GNSS: General characteristics of GNSS (Master class)
10h00-13h30 coffee break
10h30-12h00: Global and regional navigational satellite systems (Master class)
12h00-13h30 Lunch
13h30-15h00: GNSS in favour of small farmers (Master class)
15h00-16h30: The challenge: communication in three minutes

Thursday 29th September
08h30-10h00: Crop monitoring using sentinel imagery
10h00-13h30 coffee break
10h30-12h00: Crop monitoring using sentinel imagery
12h00-13h30 Lunch
13h30-15h00: Basics of communication in marketing (part 01)
15h00-16h30:Introduction to the use of satellite information (part 01)
Friday 30th september
08h30-10h00: Basics of communication in marketing (part 02)
10h00-13h30 coffee break
10h30-12h00: Cooking an appealing presentation for wide public (Master class)
12h00-13h30 Lunch
14h00-15h30: Introduction to the use of satellite information (part 02)
15h00-16h00: Science communication: a serious entertainment? (Examples from the experience of the Estonian Academy of Sciences)
Saturday 1st October
08h30-10h00: Scientific writing for publication (Master class, part 01)
10h00-13h30 coffee break
10h30-12h00: Scientific writing for publication (Master class, part 02)
12h00-13h30 Lunch
13h30-15h00 : L'innovation, atout principal pour le développement économique et agricole en Algérie. Etude de cas : le secteur de l'oléiculture
15h00-16h30: Scientific writing for publication (Master class, part 03)
Sunday 2nd October
08h30-10h00: Crops mapping using SAR & optical remote sensing data
10h00-13h30 coffee break
10h30-12h00: Agriculture technologization redline in precision context
12h00-13h30 Lunch
13h30-15h00: Automation and programming of irrigation in agriculture
15h00-16h30: Three Minute Lectures: Students' competition in scientific writing and oral presentation

Program of the event

CUPAGIS

Monday 3rd October
CUPAGIS Final Conference – Project reports restitution.
08h30-09h00 Opening ceremony.
09h30-10h00 CUPAGIS: a step towards future Pr. Tarmo Soomere, Coordinator
10h00-10h30 coffee break
10h30-11h00 University Ibn Khaldoun Report. Dr. Bouacha Mohamed Islem. PASENSO
11h30-11h30 University Ahmed Ben bella Oran1 report. Pr. Yahia Lebbah. Local coordinator
11h30-12h00 University Djillali Djillali Liabes Sidi bel Abbès. Pr. Kadoun Abdeldaim. Local coordinator
12h00-13h30 Lunch
14h00-14h30 National Higher School of Agronomy, El Harrach, Algiers. Pr. Laribi Abdelkader. Local coordinator
14h30-15h00 University Abdelhamid Ibn Badis of Mostaganem Pr. Benoudnine Hadjira. Local coordinator
15h00-15h30 coffee break
15h30-17h00 Recommendations for precision agriculture sustainability.
10h00-13h30 coffee break
Tuesday 4th October
Field visit. Pilot farm of a stakeholder. INRAA