



Dessimination activities
2020

**New Curricula in
Precision Agriculture
Using GIS Technologies
and Sensing Data**

**DJILLALI LIABES UNIVERSITY
Life and Natural Sciences Faculty
SIDI BEL-ABBES**



Co-funded by the
Erasmus+ Programme
of the European Union

Joint Project: Capacity Building in the Field
of Higher Education ERASMUS+ 2018

DJELLOULI Riad, Teacher
KADOUN Abd-Ed-Daïm, Prof. , Vice-rector

Dessimination activities

- 1- Visit of Cupagis staff member to our partners
- 2- Online webinair
- 3- Cupagis meeting (local and national meetings)

Visit to our local partners

During the period between February and March, several meetings were held to discuss cooperation and exchange between the institutions and the university within the framework of the Cupagis project. These meetings were concluded with the signing of cooperation agreements. (copies of the agreements are available on the canvas)





Online webinar

In ERASMUS days, we participated in a webinar talking about CBHE projects, and one of them is Cupagis. The presentation revolved about initiation of professional training in precision agriculture within Djillali Liabes university.

Facebook link:

<https://web.facebook.com/cupagis/photos/a.342110973130111/630963884244817>



Djillali Liabès University of Sidi Bel-Abbès


ERASMUS DAYS
Conference

Precision agriculture, a challenge to be taken up in Algeria
Promotion of the "CUPAGIS" Erasmus+ CBHE project

October 17, 2020 10.00

www.univ-sba.dz

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A previous flyer on the CUPAGIS new curricula presentation has been updated.

presentation of precision Agriculture courses

Precision Agriculture is a principle of managing agricultural plots which aims to optimize yields and investments, by seeking to better take into account the variability of the environments and the conditions between different plots as well as on intra-plot scales.

It requires the use of new technologies, such as satellite imagery and computing. It relies on localization means in the plot including the GPS type satellite positioning system

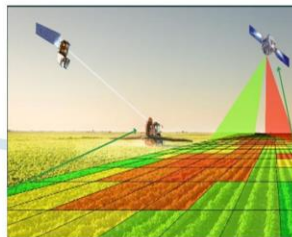


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DJILALI LIABES
UNIVERSITY

Master in Precision Agriculture



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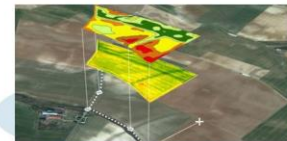
Courses presentation

Have you ever wondered how food is grown in today's world of high tech machines? In this course you will learn how technology is used in the world of agriculture and how it creates a sustainable, affordable food source. We will dive deep into precision agriculture and explore complex topics such as GIS GPS and Yield Monitoring in a conceptual format.

Thus , in september 2021 , Djilali Liabes will launch Master courses in precision agriculture. This course is geared towards students in the agricultural field and is also good for anyone wanting to learn about technology in agriculture



Precision Agriculture (PA) technologies are now becoming widely used in many industries across the globe. PA has traditionally focused on the development of sensing systems such as yield monitoring and satellites, and management strategies such as variable rate fertilizer application, but it is now much more than this. New advanced ground based sensing systems, remote piloted drone, autonomous livestock monitoring systems and virtual fencing are now revolutionising the way we farm. You will learn how Global Positioning Systems (GPS) and GIS work and how they are used in farming with this diploma program. You will gain knowledge and skills in basic crop production, electronically controlled systems and customer service. In addition, you'll learn how to install, maintain and operate precision agriculture tools. Courses also cover skills for work in the parts and service department of an agriculture equipment dealership. You will be prepared for work in the high-tech, fast-paced precision agriculture field.



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Local meeting

We conducted numerous local meetings to talk about various project points

- 18/12/2019 last meeting to talk about the last draft of canevas



Local meeting

- 04/02/2020 local meeting to update canevas and prepare it for submitting to our local administration



Local meeting

31/07/2020 the workgroup of Cupagis project, had a meeting after a long period of lockdown, we discussed different points of project progress, like equipment list,. And modification of canevas, materials room,



Local meeting

14/09/2020 On 14 September 2020 Cupagis staff members, held a meeting to discuss the peer reviewing made by the Czech and Bulgarian partners, to update our canevas, and improve the training, and this was done by a general review of different Experts.



<https://web.facebook.com/cupagis/>

National meeting

- 05/12/2019 – All partners meeting: Discussion on the coming deliverables of the project.
- 08/02/2020 – National meeting: VCR equipment, number of teachers for Plovdiv and CUL trainings.
- 26/03/2020 – All partners meeting: Future activities in the context of COVID'19 and cancellation of the programmed trainings at AU Plovdiv and CZU Prague.
- 06/04/2020 – National meeting: Discussion on sensors equipment, first list sent to EU coordination.
- 09/04/2020 – All partners meeting: Equipment, first list sent after EU meeting.
- 19/04/2020 – National meeting: Approve the list sent by Pr Soomere.
- 19/06/2020 – All partners meeting: Quality report of the external expert Dr. Girenko and future tasks concerning the project.
- 27/06/2020 – National meeting: Discussion on proposing our curricula to peer-reviews.
- 29/06/2020 – All partners meeting: Discuss the academic content of the courses. The peer-review of the developed teaching material is crucial for the development of the courses.
- 03/08/2020 – All partners meeting: teaching materials, additional equipment sent by Berlin partner.
- 05/08/2020 – National meeting: Equipment, peer-reviews, importance to address a letter to our ministry of higher education to get the permission for drones acquisition
- 10/08/2020 – All partners meeting: Discuss peer-reviews with European partners (Plovdiv, CUL).
- 19/08/2020 – All partners meeting: Equipment approved with drones acquisition.
- 22/09/2020 – National meeting: New national coordination. Discuss the current sensors equipment list.
- 27/10/2020 – National meeting: Discuss the difficulties to get the drones.
- 05/11/2020 – National meeting: Set the equipment list without drones acquisition.
- 11/11/2020 – All partners meeting: Set the equipment list without drones acquisition.

National meeting

The screenshot shows a Zoom meeting in progress. The main window displays a grid of video feeds for several participants. In the bottom right corner of the grid, a logo for 'Abdelkader Laribi' is visible. The meeting title at the top reads 'This presentation is part of a presentation'. The interface includes standard Zoom controls at the bottom.

The screenshot shows a presentation slide with the following text:

The external expert Andrey Giceako gave recommendations to the partners regarding the project implementation, for instance, regarding the project activities in the context of the transition to the online mode.

Decisions:

Based on the opinions and suggestions of the participants of the project, the following decisions have been made:

1. Each partner university should provide the information regarding the QA 24M Report and upload the presentation by January 15.
2. For upcoming online master classes each partner university should select 10-15 teachers and PhD students involved in the project till January 5. At the end of the training (in case of attendance) each participant will receive the certificate with ECTS. The amount of the ECTS will be calculated at the end of the online training (based on the conducted hours). Each partner university need to select the participants based on certain criteria (taking into consideration gender balance) and provide later the report on the selection process.

On the right side of the slide, there is a vertical strip of video feeds for participants, including names like 'Yaha Laribi', 'Karim', 'Laha Bel', and 'ALMUSTAFA MAANDUS'.



Thank you for you attention!

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ALGERIA