




<p>Title</p>	<p>Application of drones in precision agriculture</p> 
<p>Summary</p>	<p>HEMAV offers customers precision agriculture services. Its objectives are: the optimization of inputs, the increase of production to the desired quality and efficient planning of harvest logistics and its sale.</p>
<p>Major area of work</p>	<p>Control and increase of production for wineries</p>
<p>Key Facts</p>	<p>Location: EFA La Malvesia Llombai (Valencia) España</p> <p>Target group: The beneficiaries of this practice are the HEMAV clients that contract their services. In addition, our students will participate in the exhibition of the activity, where they can learn the applicability of drones in agriculture.</p> <p>Other stakeholders: A teacher (Organizer), and 10 Participants (Students and Teachers)</p> <p>Objective: demonstrate the benefits that can be obtained with the use of drones in agriculture</p> <p>Timeframe: First session (2 hours): theoretical explanation Second session (1 hour): practical demonstration</p>
<p>Context and problem addressed</p>	<p>It is intended to show the participants the benefits that the drone can bring to the farmer. To do this, in the first session had to explain the methodology of operation and understand the agronomic parameters of interest (estimate of the harvest, moisture content, subscriber plans, etc.)</p> <p>The second session consisted in the practical visualization of a real case, where the flight of the drone on the surface under study is observed.</p> <p>Through the information collected by the drone, only the interpretation remains for the technicians to obtain the report of the obtained results</p>



	that the client requests.
Validation	In the attached video, the views of HEMAV's clients are displayed. We conclude that the use of drones in agriculture will be positive for the farmer, especially in the cultivation of grapes. Production is improved quantitatively and qualitatively.
Impact	The exhibition carried out by HEMAV in the school has had a positive impact both for the students and for the teaching staff. The role that drones have in agriculture today has been clarified. It has aroused interest in the subject of a large group of students.
Constraints	The difficulties that HEMAV has shown us in relation to the application of drones in agriculture are: The contracting of these services will be profitable depending on the volume of production. In the area where our center is located, the agricultural holdings have a size that does not usually correspond to an extensive crop. However, there are entities that are interested and others that are studying their viability.
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Websites and other resources	https://hemav.com https://www.youtube.com/watch?v=jLBXZ4YSZxg