

## Training School in Unmanned Aerial Systems (UAS) in Agriculture: Applications in Vineyards

### Aim

This Training School, organized by the scientific team of GIS Research Unit of Agricultural University of Athens, will take place in selected awarded wineries of the internationally renowned Nemea PDO vineyard region. In this region, a geospatial observatory has been established by GIS Unit as one of the results of a four-year research project.

The course will provide the principles and essential knowledge required for safe operations of state-of-the-art Unmanned Aerial Vehicles for agricultural applications mainly focused on vineyard management and pest detection. This will include meeting with pre-flight procedures and calibrations, development of basic flight skills in real flight conditions, use of a wide range of sensors for drone-based multispectral data acquisition for a variety of agricultural applications, and practice with open-source photogrammetric software for flight planning and post-flight process of aerial imagery data.

### How to participate

Email your CV and motivation letter (max. 1500 characters), explaining how this Training School will benefit your career and projects, to [gisaua@aua.gr](mailto:gisaua@aua.gr) by **19th of May 2023**.

**Contact person:** Antonis Kavvadias ([akavvadias@aua.gr](mailto:akavvadias@aua.gr))

### Participants

The Training School is open to all scientists and professionals related to the fields of agriculture and food production. Priority will be given to wine production-related individuals (academics, engineers, farmers, etc.). Gender balance and country representativeness will be promoted. The Training School is limited between 13-15 participants, depending on the budget available.

### Support for selected attendees

There is no registration fee for the course. Selected participants will be reimbursed for their travel, accommodation, and meal expenses in line with the eligibility rules specified by COST Action rules of reimbursement. Coffee, light meals and refreshments will be provided by local organisers on most days, as well as local transportation when is needful.

### Scientific Committee

Stylios Gerontidis (AUA)  
Prof. Dionissios Kalivas (AUA)  
Antonis Kavvadias (AUA)  
Vassilis Skliros (Hellenic Drones)  
Asst. Prof. Kostas Soulis (AUA)  
Dr. Dimitris Stefanakis (UCanDrone)



### Location:

Nemea Protected Designation of Origin (PDO) vineyard region Peloponnese, Greece

### Dates:

19 – 22 June 2023

### Scientific Organiser:

GIS Research Unit,  
Agricultural University  
of Athens