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INVITATION

The Laboratory of Ecological Engineering and Technology of the Department of Environmental Engineering of the Democritus University of Thrace and the Geotechnical Chamber of Greece, East Macedonia Branch, co-organize an Open Workshop on **Friday 4-3-2022, 10:00-12:00**, entitled:

"Satellite image processing, recording and simulation systems for applied precision irrigation"

The workshop is organized in the framework of the PONTOS project co-funded by the Black Sea Basin Cross Border Cooperation Programme.

The aim of the workshop is to present to geotechnical and other interested professionals and scientists the methodology of processing and analysis of Copernicus satellite images for the systematic monitoring of agricultural crops, modern systems for monitoring and simulation of soil and plant growth parameters, integrated in the general context of precision irrigation, aiming at saving agricultural water and energy.

Participants will be trained:

- In finding, selecting and collecting satellite images from user-free databases,
- How to import and process satellite images using Geographic Information Systems (QGIS) software,
- the process of calculating vegetative growth indices,
- systems for recording and telecommunication of data from agricultural crops,
- modern simulation and decision-making tools in the context of integrated precision irrigation at the level of the agricultural crop.

The platforms and tools to be used are the following:

- Copernicus Open Access Hub (<https://scihub.copernicus.eu/>)
- Earth explorer (<https://earthexplorer.usgs.gov/>)
- QGIS v3.22 (<https://qgis.org/en/site/>)

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To participate, registration is required by completing the form below. Participants, if they wish, will receive a Certificate of Participation.



Register at the link below!

[Register here](#)

Alternatively follow the link: https://docs.google.com/forms/d/e/1FAIpQLScB-jjt4crSeUbB5aM6scuKp8uSURWO8twroUFefnCcn1edCg/viewform?usp=pp_url

The seminar will be conducted using the ZOOM web platform
(ID: **863 3035 9373**, Password: PONTOS).

Link: <https://us06web.zoom.us/j/86330359373?pwd=bjEwbHlyQ1NTTXV6NGhFTXhyU0Vadz09>

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