Ioannis Kavouras

(Rural, Surveying and Geoinformatics Engineering / Researcher / Educator)

Ioannis Kavouras is a graduate of the School of Rural, Surveying and Geo-Informatics Engineering at the National Technical University of Athens (NTUA) and a PhD candidate at its Photogrammetry Lab. His work focuses on AI-driven algorithms and computer vision applications for engineering problems, including health, climate change, and urban development. He has participated in several national and European research projects and is also a lecturer at Metropolitan College (Marousi).

What did you find valuable in THEIA project?

What I found most valuable in the THEIA project was the opportunity to apply AI and Earth Observation techniques to real-world challenges related to climate change and security. The collaboration with multidisciplinary and international teams significantly enhanced both my technical skills and research perspective. Overall, it was a highly impactful experience that strengthened the connection between research and practical applications.

How relevant is THEIA to your work?

THEIA is highly relevant to my work, as it aligns closely with my research focus on AI-driven algorithms and Earth observation applications. It directly supports my efforts in addressing challenges related to climate change, health, and urban development. Moreover, it enhances my ability to develop practical, data-driven solutions with real-world impact.

What is the expected impact?

The expected impact of THEIA is the advancement of AI-driven and Earth observation solutions that support better decision-making in areas such as climate change, public health, and urban development. It contributes to improving quality of life by enabling more accurate predictions and more efficient resource management. Additionally, it fosters collaboration and innovation across disciplines, strengthening the link between research and real-world applications.

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