

<u>**Project Title:**</u> Intelligent Geotechnologies for Resilient Agricultural Adaptation to Climate Change in Lao PDR - INTEGRAL

Scientific Responsible: Marinos Kavouras

Duration: 1/2/2023 - 31/1/2026 (36 months)

**Department:** Department of Topography

## Funding: EC/ EUROPEAN EDUCATION AND CULTURE EXECUTIVE AGENCY

**Description:** Lao PDR's economy relies heavily on natural resources and smallholder agriculture, which is vulnerable to climate hazards such as drought and floods. Intelligent Geotechnologies (combining mapping, earth observation, geographic information systems, and artificial intelligence) can support sustainable and climate-resilient agricultural practices. However, the use of these technologies in higher education institutions in Laos is limited. The project aims to build capacity on Intelligent Geotechnologies to address this lack of knowledge and skills. It will focus on developing curricula, training materials, establishing a crop-type mapping framework, equipping laboratories, building training capacity, and disseminating and exploiting the results.



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## **Beneficiaries:**

- 1. ETHNICON METSOVION POLYTECHNION NATIONAL TECHNICAL UNIVERSITY OF ATHENS (Coordinator)
- 2. LUNDS UNIVERSITET
- 3. NATIONAL UNIVERSITY OF LAOS
- 4. SAVANNAKHET UNIVERSITY
- 5. SOUPHANOUVONG UNIVERSITY
- 6. CHAMPASACK UNIVERSITY

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