

  ΧΑΡΟΚΟΠΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ HAROKOPIO UNIVERSITY	DEFORM - EARLY DETECTION AND MAPPING OF VULNERABILITY DUE TO GROUND DEFORMATION							
	Country	Contract value (€)	% carried out by Epsilon	No of staff provided	Client	Origin of funding	Date (start/end)	Consortium Members
	Greece	482.250	12.5% 59,995.60	8	European Commission Greek Government	EC ΓΓΕΤ ΕΣΠΑ	03/03/2021 01/10/2022	6 Partners
Description of the project						Services provided		
The DEFORM project was part of the Operational Program "ATTICA 2014-2020," under Priority Axis 01, which focused on enhancing research, technological development, and innovation among SMEs in the Attica region. The project involved several research organizations and private entities, including TERRA SPATIUM, Epsilon Malta Limited, and universities like the National Technical University of Athens. The goal of the project was to strengthen research and innovation activities, particularly in areas such as geoinformatics, space services, and safety technologies, by developing new products and services in these fields. The project was co-financed by Greece and the European Union. The DEFORM project had the following objectives: - To use satellite remote sensing data and techniques, such as radar interferometry, for measuring and monitoring biophysical and geophysical parameters related to ground deformation. This includes the use of Synthetic Aperture Radar (SAR) images and advanced time-series interferometry (MTInSAR) techniques to detect ground deformation. - To create and provide vulnerability maps that offer insights into potential ground deformation risks in the study area, allowing for better strategic risk management. - To transfer technological know-how and build capacity among SMEs and local stakeholders in the Attica region through specialized training and seminars, ensuring that participants can apply the project's findings and tools to real-world challenges. - To leverage the innovative use of Earth Observation data, particularly from the Copernicus program, to validate the results and support decision-making processes related to land use planning and infrastructure management.						Data Collection and Exposure Analysis: - EPSILON was responsible for collecting data related to exposure in areas vulnerable to forest fires and ensuring this data is integrated into the project's system for further analysis. Web Presence and Communication: - EPSILON lead the creation of the project's website and managed communication through digital newsletters that were sent every six months, providing updates on the project's progress. EPSILON also managed the project's social media presence to facilitate networking and stakeholder engagement. Feasibility Study and Economic Viability: - Conducted a feasibility study to assess the economic viability of the proposed services. This included market research to identify target groups and the preparation of a business development plan.		