

**PROJECT:** Hellenic Earth Watch: Geospatial Analytics & Services – Safety & Security

**SCIENTIFIC DIRECTOR:** I. Papoutsis

**DURATION (MONTHS):** 23 months

**DEPARTMENT:** Department of Topography

**FINANCIER:** EUROPEAN SPACE AGENCY

**DESCRIPTION:** The project focuses on implementing Axis 3 of the Greek National Satellite Space Project, funded by the Greek component of the EU Recovery and Resilience Facility, with a strong emphasis on wildfire management. This axis is dedicated to delivering a Geospatial Thematic Service for Safety and Security, leveraging satellite data and third-party sources to enhance Greece's capabilities in flood risk assessment, wildfire surveillance, and target identification. The core of the project involves utilizing high-resolution optical, SAR, and thermal imagery to provide critical wildfire management tools, including detailed risk assessments, real-time monitoring of active fires, and post-event analysis of burn severity and recovery. The service will also support flood risk prediction and object identification, with a commitment to high data accuracy and timely delivery across Greece, ensuring comprehensive support for both emergency response and long-term disaster management.