

Michaela Doukari is a Ph.D. candidate in Marine Remote Sensing in the Department of Marine Sciences, University of the Aegean and a member of the MRSGroup. She holds a degree in Surveying and an MSc in Geography and Applied Geo-informatics. Her MSc Thesis concerns the monitoring Coastline Morphology changes using UAV for spatial data acquisition and computer vision algorithms consisting the UAV-SfM pipeline for the creation of spatial information in 2D and 3D depictions.

Her Ph.D. research focuses on the investigation of the potential use of UAV and computer vision methods in the acquisition of geospatial information on coastal and marine environments. The main aim of this research is the development of a repeatable, low cost, flexible and effective methodology for the mapping of marine habitats.

Her research interests include UAV data acquisition and processing, Structure from Motion photogrammetry, 2D and 3D visualization, GIS mapping, UAV mapping, Image processing techniques, remote sensing, marine habitat mapping, coastal and marine applications. Michaela is an expert in UAV spatial data acquisition, satellite and aerial image processing, and Geographic Information Systems. Her research in close remote sensing in coastal environments has resulted in 2 journal and ten conference publications.