SHORT CV: Andromachi Chatziantoniou

Andromachi Chatziantoniou is a PhD Candidate at the Department of Marine Sciences (University of the Aegean) and a member of Marine Remote Sensing Group. She holds a Diploma in Rural & Surveying Engineering (AUTh) and an MSc degree in Geoinformatics & Spatial Analysis (AUA) with her thesis focusing on wetland management. Her expertise is in Remote Sensing, Image Processing and Geographic Information Systems (GIS).

Her PhD research focuses on the synergistic use of remote sensing and *in-situ* data towards the development of tools for aquaculture monitoring. The key target is the development of a management tool that will be used for remote aquaculture monitoring. The tool will use diverse data sources to provide useful information and alerts that concerns fish cages and the surrounding environment. Satellite and geospatial data from various satellite missions and data repositories will be combined to support decision making and proactive actions. In her research she is investigating different phenomena affecting aquaculture and she is developing a methodology for their integration into the management tool. So far, the phenomena included in the tool are Biogenic Oil Film Distribution, Fish Cage Displacements, Jellyfish Blooms and Harmful Algal Blooms.

Her research interests include Earth Observation and Climate Change, Natural Resource Management, Coastal Zone Management and Marine Spatial Planning. In this context she has attended several courses, seminars and conferences with relevant topics. Her passion about environmental conservation has led to her scientific collaboration with iSea NGO. She is currently working as iSea's Human Resources Manager and she is also coordinating the project "uSea", a new application and web platform for tracking Invasive Alien Species and investigating their distribution in the Mediterranean Sea.

She has two publications in scientific journals and four presentations (poster and oral) in national and international conferences. She speaks two languages, Greek (native speaker) and English (C2). She has advanced computer skills, proficiency in several image analysis software products (ArcGIS, ERDAS Imagine, ENVI, eCognition, Geomatica) and basic programming skills.