

Ref no	Project title		ARC FUEL: MEDITERRANEAN FUEL MAPS GEODATABASE FOR WILDLAND & FOREST FIRE SAFETY & NATURA 2000 SITES WWW.ARCFUEL.EU					
Name of legal entity	Country	Overall contract value (€)	Proportion carried out by legal entity (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of consortium members, if any
	Greece	1.296.234	33,30%	10	European Commission	LIFE+	10/2011 12/2013	Epsilon International SA, GMV, ADAI, Aristotle University of Thessaloniki, Algosystems SA, Epsilon-Italia
Detailed description of project						Type and scope of services provided		
ArcFUEL delivers a complete, up-to-date, methodology for Fuel Classification Mapping (FCM on a Web-Geodatabase) based on "readily available" data, harmonized, accessible & interoperable according to INSPIRE principles, for the Mediterranean Region. The methodology is demonstrated via solid pilots in: Greece, Portugal, Italy and Spain. The ArcFUEL methodology and workflow advance in 10 technology-steps: 1. Definition of the fuel map classification scheme 2. Use of existing datasets for the mapping of the main forest fuel classes 3. Use of multi-temporal LANDSAT Thematic Mapper (TM) images for the distinction of fuel classes with different seasonal characteristics 4. Refinement of the produced fuel classes based on canopy cover density data 5. Merging of all produced map layers in a single layer 6. Further sub-classification of the produced maps based on the ECOREGIONS data 7. On site data collection for the NATURA2000 sites, field visits, validation and update of the ArcFUEL methodology 8. Development of the FCM and NATURA2000 GIS databases 9. Development of GIS digital and printed maps 10. Geoportal development and dissemination.						Effective Forest Fire (FF) Management and NATURA2000 conservation requires knowledge of Fuel Classification Maps (FCMs) that are poorly available in Mediterranean countries since: • They are produced only at local or regional scale, without any regular updates and no standardized methodology. • They are not produced via a standard structure or harmonized according to INSPIRE. • They are heterogeneous as produced via different methods at different dates Therefore available FCMs cannot support the systematic use of FF modelling at operational levels (prevention, suppression planning) of FF management and nature conservation in general. Information: Marc Bonazountas bonazountas@epsilon.gr		

Location Data

Id: 1

Latitude: 38.205814 Longitude: 23.819046

Location: Afines Person: Efyxides George

Notes: Some notes about the location

ArcFuel name: ArcFuel code:

☐ Is valid
 Real type: Mesophytic broadleaved forest

Overstory presence:

Coverage: Class 2 (11 - 40%)

Trees Height: Class 2 (6 - 15m)

Height (m): 10

Notes:

☐ Understory presence:
 ☒ Tall Shrubs presence:

Coverage: Class 1 (0 - 10%)

Shrubs Height: Class 1 (0 - 5m)

Notes:

☐ Small Scrubs presence:
 ☒ Grass presence:

Coverage: Class 1 (0 - 10%)

Grass Height: Class 1 (0 - 5m)

Notes:

Take horizontal photo

Take up photo

Take down photo

Save Data

