



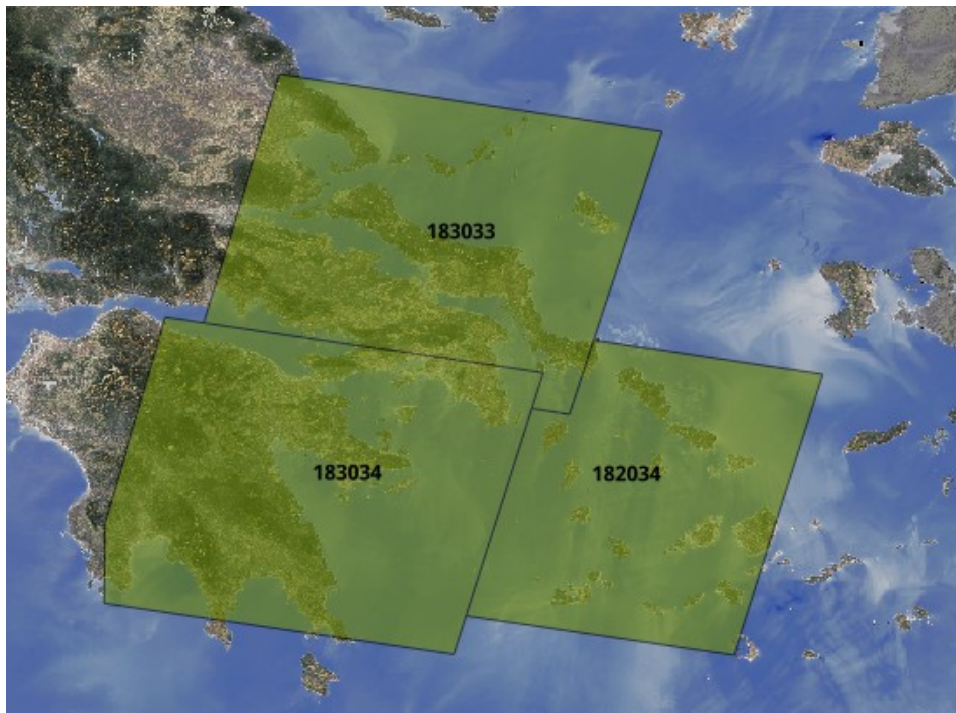
LAND

## Multispectral Data

### *Product guide for the Copernicus Pilot GeoServer*

Multispectral Data, acquired by Landsat TM and provided by the USGS Glovis service ( <http://glovis.usgs.gov/> )

Data:	Multispectral Orthorectified Landsat TM Data, including the 7 bands of the Landsat Thematic Mapper.
Pixel size	30m for bands 1-5, 7 and 120m for band 6
Range:	Covering Attica, Greece (37.5° S – 38.5° N, 23.1°W, 24.1° E – WGS 84 UTM Zone 34N)
Years	1984, 1989, 1991, 1999, 2003, 2009 and 2012
Source/reference	National Observatory of Athens / <a href="#">U.S. Geological Survey</a>



**Landsat TM data:** The polygons (*footprints*) indicate the position of the original orthorectified Landsat scenes archived.

## Burn Scar Mapping

### *Product guide for the Copernicus Pilot GeoServer*

Layer Name	NOA:Diachronic_bsm
Unit	Meters
Description	The results of a fully automated processing chain developed by IAASARS/NOA, for Burnt Scar Mapping (mapping of burned areas) and delivered within the framework of NOA activity for the provision of GMES related information products and services. <i>Diachronic Inventory of Forest Fires over Greece</i> is based on the exploitation and analysis of the full USGS archive of Landsat TM images.
Location and time	Attica/Greece, for the years, 1984, 1988, 1991, 1999, 2003, 2009 and 2012
Source/Reference	National Observatory of Athens
Link to original service	Diachronic Inventory of Forest Fires Service: <a href="http://ocean.space.noa.gr/bsm">http://ocean.space.noa.gr/bsm</a>



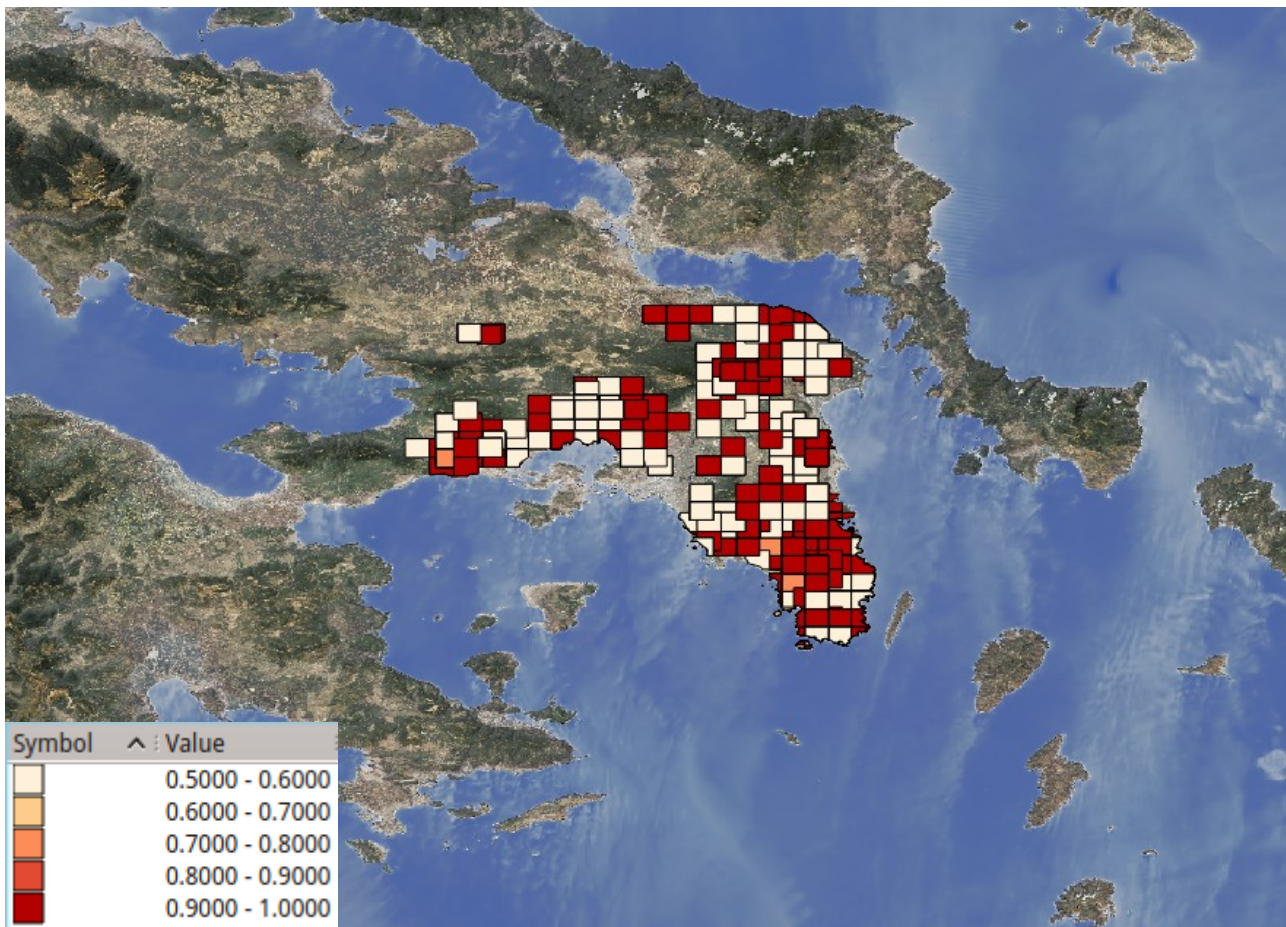
**Burn Scar Mapping (BSM) data:** derived from Landsat TM Imagery. Burned areas are represented with red polygons. Background image: Landsat Mosaic



## Seviri Real-time fire data

### *Product guide for the Copernicus Pilot GeoServer*

Layer name	NOA:SEVIRI_realtime_fire_data
Description	Data derived from the <i>Real time active fire monitoring</i> service, developed by IAASARS/NOA and delivered within the framework of NOA activity for the provision of GMES related information products and services. <i>Real time active fire monitoring</i> service products are delivered every 5 minutes and they are based on MSG-SEVIRI sensor (approx. 3.5Km x 3.5Km wide cell). The level of fire confidence ranges from 0.5 to 1.
Location and time	Attica /Greece, Year 2007 to 2013
Source/Reference	National Observatory of Athens/ TELEIOS
Link to original service	<a href="http://ocean.space.noa.gr/fires">http://ocean.space.noa.gr/fires</a>

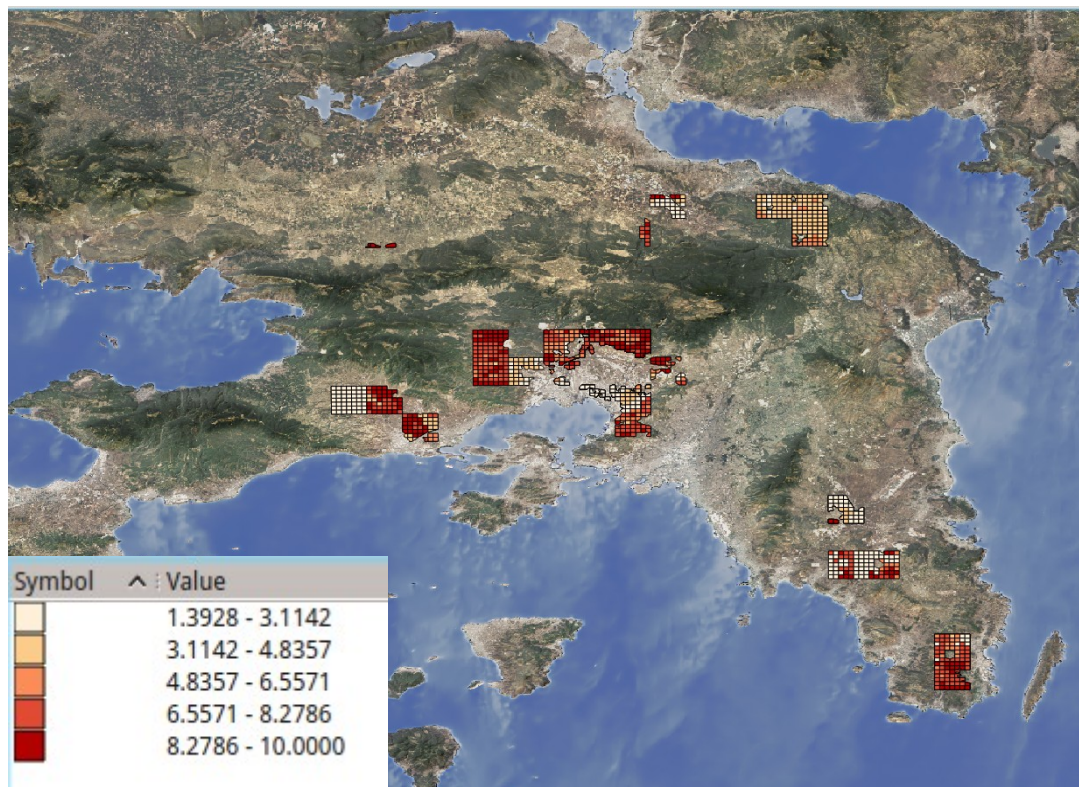


**MSG SEVIRI fire data:** Each pixel has a dimension of approx. 3.5Km x 3.5Km. For each pixel the confidence level is in the interval [0.5, 1.0]. Background image: Landsat Mosaic

## Seviri Real-time refined fire data

### Product guide for the Copernicus Pilot GeoServer

Layer name	NOA:SEVIRI_realtime_refined_fire_data
Description	<p>Spatially refined data, derived from the <i>Real time active fire monitoring</i> service, developed by IAASARS/NOA and delivered within the framework of NOA activity for the provision of GMES related information products and services. Refined <i>Real time active fire monitoring</i> service products are delivered every 5 minutes and they are the result of post-processed MSG-SEVIRI sensor data, where each raw pixel is divided into a 7x7 grid, to estimate the most possible position of active fire within that pixel. The estimation is based on land cover, wind direction and topographic data. The level of fire confidence ranges from 1 to 10.</p>
Location and time	Greece, Attica 2013
Source/Reference	National Observatory of Athens/ TELEIOS
Link to original service	<a href="http://ocean.space.noa.gr/fires">http://ocean.space.noa.gr/fires</a>



**MSG SEVIRI refined fire data:** Each pixel has a dimension of approx. 500x500m. For each pixel the confidence level is in the interval [1, 10].  
 Background image: Landsat Mosaic