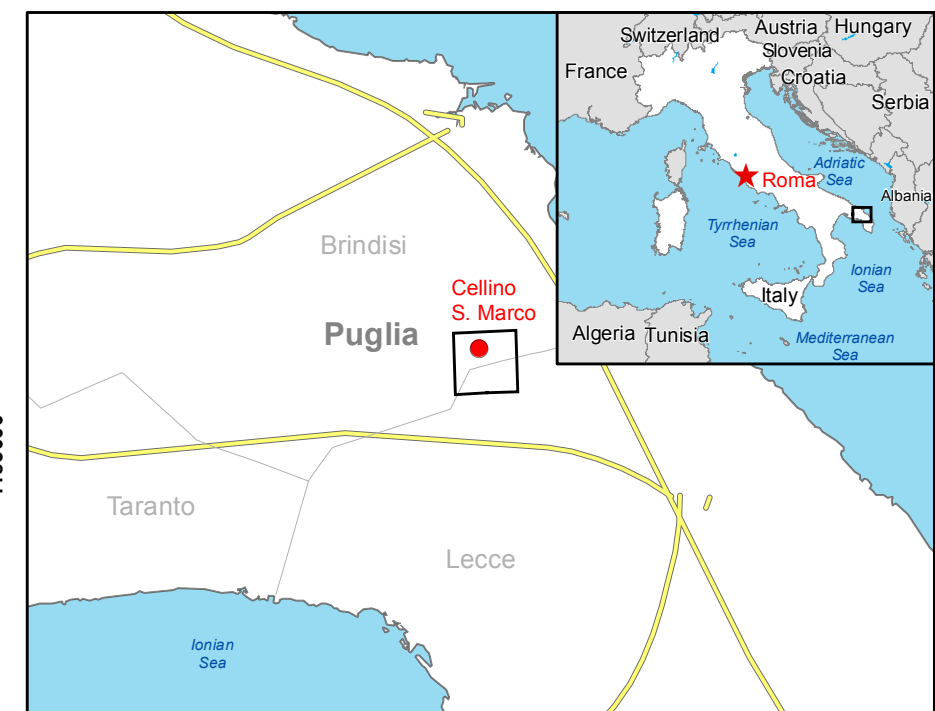




GLIDE number: N/A Activation ID: EMSR124
Product N.: 04CELLINOSANMARCO, v1, English

Cellino San Marco - ITALY
Phytosanitary emergency - 10/04/2015
 Delineation Map



Cartographic Information

1:10000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information

- Bushes, Eradicated
- Fruit Trees, Eradicated
- Olive Trees, Eradicated
- Vineyards, Eradicated
- ▨ Olive Trees, Pruned
- ▨ Olive Trees, Pruned, T
- ▨ Fruit Trees, Pruned, T

General Information

-
- Area of Interest
- Sensor Footprint

Hydrology

- River
- Stream

Administrative boundaries Transportation

- Province
 Municipality
Settlements
 ○ Populated Place

Consequences within the AOI on 11/04/2015			Affected	Total in AOI
Crop Land	Olive Tree Pruned	ha	45.2	405.8
	Fruit Tree Pruned, Tilled	ha	57.2	
	Fruit Tree Pruned	ha	7.2	N/A
	Fruit Tree Pruned, Tilled	ha	2.6	
	Olive Trees Eradicated	No.	425	
	Bushes Eradicated	No.	51	N/A
	Fruit Trees Eradicated	No.	254	N/A
	Vineyard Eradicated	No.	66	N/A

Map Information

The Apulia region, in Southern Italy, is facing a phytosanitary emergency, caused by the *Xylella fastidiosa* (bacterium included on the EPPO A1 List since 1981). In the territory of Salento peninsula, quick decline symptoms were observed in olive trees (*Olea europaea*). The emergency management plan, approved by the Regional Government of the Apulia region, the emergency reached proportions with heavy economic, environmental and social consequences. The emergency plan foresees the eradication of all the plants potentially affected by the infection, in order to create a phytosanitary barrier to stop its expansion. The area affected by the infection is 100 km long and 5 km wide. The core users of the map are Civil Protection authorities involved in field operations. The scope of the map production is planning and support to logistics.

Relevant date and time records (UTC)			
Event	10/04/2015 09:00	Last crisis status	11/04/2015 10:02
Activation	24/04/2015 19:00	Map production	07/05/2015

Data Sources

WorldView-2 © DigitalGlobe (acquired on 11/04/2015 10:02 UTC, GSD 0.5 m, 0% cloud coverage) provided under ESA GSC-DA-WDHV License.
Aerial orthoimages © e-GEOS (acquired in 2010, GSD 0.5 m).
Base vector layers based on Geoportale Nazionale © 2011 Ministero dell'Interno e dell'Ambiente
provided by ITA (acquired by ITA on 11/04/2015 10:02 UTC, GSD 0.5 m) and included in vector data.
Elevation data: EU-DEM (25m posting). Height in meters above mean sea level.
All Data sources are complete and with no gaps.
Inset maps based on: Administrative boundaries (JRC, 2013), GISCO 2010 © European Commission, Hydrology, Topography (Natural Earth, 2012, OCM River DB © JRC 2007), Settlements (Geonames, 2013).

Dissemination/Publication

Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).
Map products available in the Copernicus EMS Portal at the following URL:
<http://emergency.copernicus.eu/mapping/list-of-components/EMSR124>
All products are © of the European Union.

Disclaimer

The products elaborated in the framework of current mapping in rush mode activation are realized to the best of our ability, within a very short time frame during a crisis, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original data sources. The products are compliant with Copernicus EMS Rapid Mapping Product Portfolio specifications.

Map Production

The present paper shows the current situation in the area of Cellino San Marco (Apulia - Italy). The basic topographic features such as transportation network, hydrology, topography, towns and administrative boundaries in the area of Cellino San Marco are derived from public datasets, refined by means of visual interpretation of pre-event aerial orthomosaics. The orthomosaics, acquired by means of aerial photography, were derived from difference between WorldView-2 (where available) post-event images and pre-event aerial orthomosaics. All satellite images have been radiometrically enhanced and orthorectified with RPC application using EU-DEM elevation data. The orthorectification geoprojection error of this product is 5 m CE90 or better, from national positional accuracy of the background satellite image.

The estimated thematic accuracy of this product is 85 or better, as it is based on visual interpretation of recognized features and resolution optical imagery. Only the area demarcated by the Area of Interest has been analyzed.

Contact

Map produced by ITHACA under contract 259736 with the European Union.
Name of the release inspector (quality control): e-GEOS (ODO).
E-mail: rapidmapping@ems-copernicus.eu