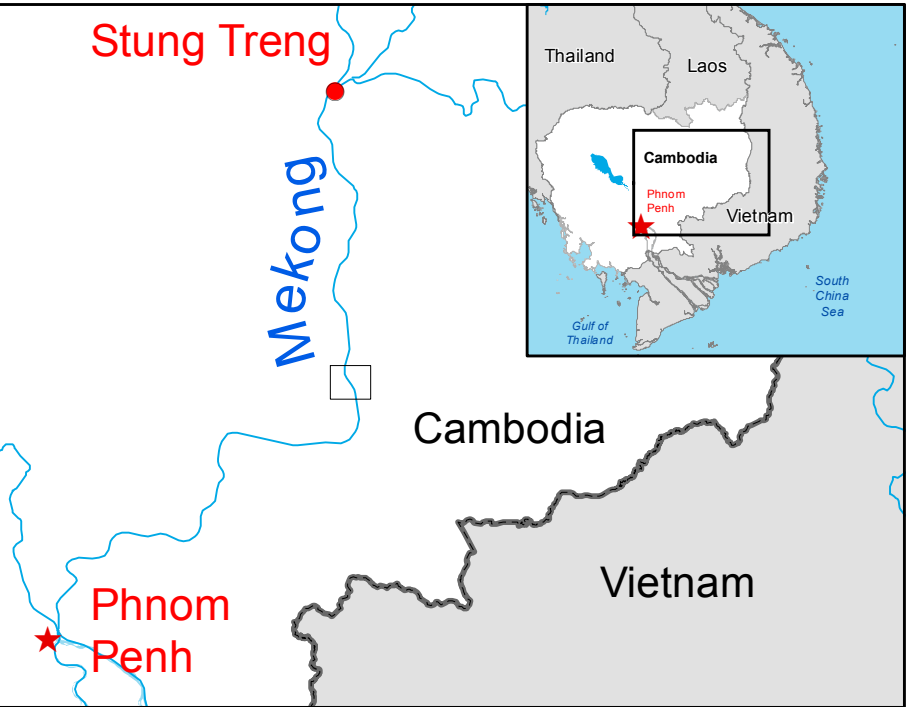


Stung Treng - CAMBODIA

Flood - 28/09/2013

Delineation Map - Detail

Production date: 11/10/2013



Cartographic Information

1:25000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 48N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information	Transportation
 Flooded Area (09/10/2013 22:50)	✈ Aerodrome
General Information	 Primary Road
 Area of Interest	 Secondary Road
Settlements	 Local Road
○ Populated Place	 Runway
 Building Block	Hydrology
	 River
	 River
	 Lake
	 Reservoir

Consequences within the detail AOI on 09/10/2013			
Flooded area	ha	Affected	Total in AOI
Estimated population	Inhabitants	21 193	43 924
Settlement	ha	2	303
Residential	km	1.91	17.23
Primary roads	km	1.75	28.04
Secondary roads	km	13.95	193.76
Local roads	No.	0	1
Aerodromes			

Map Information

During September 2013 Cambodia has suffered from the impact of low pressure system and tropical storms. The heavy rainfall and the Mekong river flooding in less than three weeks have claimed tens of lives and affected more than 100 000 families and about 100 000 hectares of rice seedlings are also inundated.

Thirteen out of the kingdom's 24 cities and provinces are being hit by Mekong flash floods. Flash floods in Mekong river severely affected areas in northwestern cities such as Siem Reap Angkor Pursat Battambang Banteay Meanchey and Pailin.

The core users of the map are Humanitarian Aid Operators involved in in-field operations. The potential additional users are other Civil Protection authorities involved in operations. The scope of the map is to provide support to planning and rescue operations.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012), Settlements (Geonames, 2013).

SPOT6 © Astrium 2013 (acquired on 20/03/2013, GSD 1.5 m, 0 % cloud coverage) provided under ESA GSC-DA DWH License.

COSMO-SkyMed © ASI (2013) (acquired on 09/10/2013 at 22:50 UTC, GSD 30 m) provided under ESA GSC-DA DWH License.

Base vector layers based on Openstreetmap, Geonames, GAUL (approx. 1:25,000, extracted on 18/06/2013), refined by e-GEOS.

Dissemination/Publication

No restrictions on the publication of the mapping apply.
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework

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 GIO-EMS RUSH Product Portfolio specifications.

Map Production

The present map shows the flood in the area of Stung Treng (Cambodia). The basic topographic features are derived from public datasets, refined by means of visual interpretation of SPOT6 © Astrium (acquired on 20/03/2013, GSD 15 m, 0 % cloud coverage).


Thematic layers, assessing the delineation of the event, have been derived from post-event images COSMO-SkyMed © ASI (2013) (acquired on 09/10/2013 at 22:50 UTC, GSD 30 m). In order to facilitate the understanding of multitemporal flood information, different blue tones have been used and satellite image footprints are shown with the respective acquisition date and time.

The estimated geometric accuracy of this product is 50 m CE90 or better from native positional accuracy of the background satellite images.

The estimated thematic accuracy of this product is 85 % or better, as it is based on previous experience in using high-resolution SAR for flood extent delineation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to known limitations of the analysis technique.

Map produced on 11/10/2013 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release inspector (quality control): e-GEOS (ODO).



Flood

- Civil Protection
- Response
- Delineation Map - Detail
- Planning
- COSMO-SkyMed satellite image
- 28-09-2013

