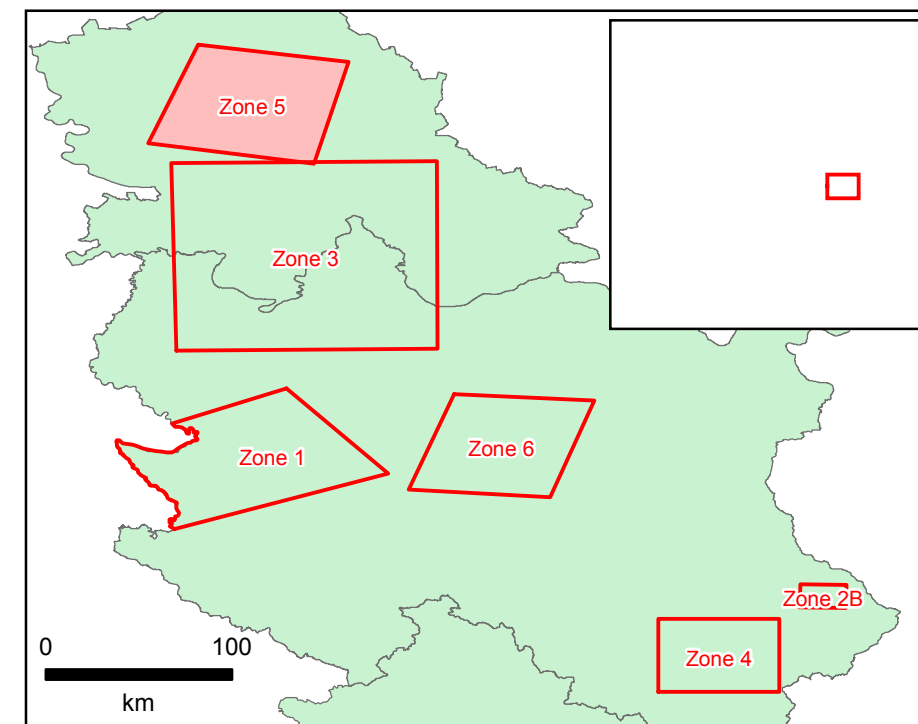


# IGIS Project - SERBIA TM06 - Drought Mapping August 2012 Zone 05

### Location Diagrams



### Legend

**Population**

- Place

**Drought**

This value represents a drought index : higher the value, higher the drought is.

**Transport**

- Railways
- Roads

**Hydrology**

- Waterways

**Drought Index Legend:**

- High : 0.6
- 0.45 -> 0.60 : extreme
- 0.30 -> 0.45 : strong
- 0.15 -> 0.30 : moderate
- 0 -> 0.15 : low
- Low : 0

A filter has been applied on urban, water and winter crops areas on 2011 and 2012 images.

### Interpretation

This demonstration product represents the drought map for August 2012 over the area of Becej (North of Serbia). More than 70% of this area has suffered a drought degree between moderate to extreme. In the opposite way, only 30% of this coverage can be considered as not impacted by drought. A drought at least qualified as strong concerned however about 40% of this region which is really significant.

This product has been built from the processing of Spot5 images acquired in 2011 and 2012 into biophysical parameters, by using the Astrium Services software Overland.

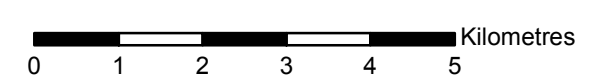
The Overland solution generates absolute characterisation of the natural environment, independent of local conditions, of the input sensor and finally of the observations conditions. The aim of the "Remote Sensing" workshop is to build a consolidated chain for deriving land cover information by the use, among others, of the Overland, eCognition and GIS softwares.

The infrastructure data, such as the road and hydrological networks, have been extracted from OpenStreetMap, in order to better understand the location of the thematic products. These open source data have not been qualified (no information related to the accuracy).

### Cartographic Information

Local projection: UTM34N, Datum: WGS84  
Geographic projection: Lat/Lon (DMS), Datum: WGS 84

Scale: 1:90 000 for A1 prints



### Data Sources

**Satellite data** Spot 5 - Multispectral  
- Acquisition 12/08/2011 - Resolution = 10 m  
- Acquisition 15/08/2012 - Resolution = 10 m

Geographical names, road and hydrological networks are derived from Web Sources

### Framework

The IGIS programme, which is being managed by Astrium GEO-Information Services with co-contractor IGN FI, will provide the Serbian Geodesy Institute (RGZ) with a complete system including geo-information data and services which will help the RGZ to deploy a NSDI for production and maintenance of mapping reference data and development of geo-information services.

Map produced the 17 07 2013 by Astrium Services  
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