

SAFER PROJECT EMERGENCY RESPONSE CORE SERVICE OF EUROPE

ReSAC contributions to SAFER Project

Vassil Vassilev, Ivan Ivanov, Nadya Tsvetkova, Radostina Chausheva

Remote Sensing Application Center – ReSAC

61, Tsar Assen Str., 1463, Sofia, Bulgaria

Tel: (+359 2) 9800731; (+359 2) 9812231

Tel/Fax: (+359 2) 9818216

E-mail: resac@techno-link.com

Website: www.resac-bg.org

ABSTRACT

Each year thousands of people become victims of natural and man-made disasters – fires, earthquakes, volcanic eruptions, landslides, humanitarian crises. Climate change leads to increased number of such hazards. In the frame of GMES⁽¹⁾ initiative, SAFER⁽²⁾ project reinforces European capacity to crisis response, and performs preoperational versions of the Emergency Response Service. The main goal is the upgrade of the core service and the validation of its performance. There are two priorities. The first one is improvement of response during crisis with rapid mapping of affected area within 6 hours. The main performance criterion is the response time. Another priority is the extension to core service components before and after crisis. It targets service evolution, including the provision of thematic products (assets maps, population density maps, risk maps, historical damage maps). The main performance criterion is the added-value of products with risk-specific information.

ReSAC, along with its European partners, participates with two work packages: “Plain Flood Risk Management” and “Assets Mapping”. ReSAC is working on two test sites, situated along Iskar River and Roussenski Lom River in Bulgaria. Each test site there will be provided with the following thematic products: past flood event maps; flood hazard maps; flood risk maps, (which also include damage assessment).

The final results shall be made publicly available via the Web portal, which can be accessed on the website www.floodrisk.eu.

The elaborated products can be used in the reporting of Bulgaria for the Directive 2007/60/EC – the so called Flood Risk Directive of the European Parliament and of the Council.

(1) GMES: *Global Monitoring for Environment and Security*

(2) SAFER: *Services and Applications for Emergency Response*