

PLATFORM FOR GEOINFORMATION IN SUPPORT OF DISASTER MANAGEMENT

NEGULA DANA Iulia¹, CRACIUNESCU Vasile², VIRSTA Ana¹, MANEA Raluca¹,
CALIN Mariana¹, SANDU Mirela Alina¹

¹University of Agronomical Sciences and Veterinary Medicine Bucharest, Faculty of Land Reclamation and Environmental Engineering, Bucharest, ²National Meteorological Administration, Bucharest
avirsta@gmail.com

Abstract

Efficient analysis and interpretation of satellite imagery can contribute to rapid mapping for disaster management. Earth observation capabilities from national, European and international community actors are used to respond to major disasters around the world, for humanitarian aid and security. Satellite derived information needs to be used in combination with additional data to be presented in a proper geospatial context for the work of civil protection agencies and relief organizations. When disasters happen, reliance is placed on any type of geoinformation that might be available in a short period of time. The paper presents the main goal to be achieved by implementing the project Platform for GeoInformation in Support of Disaster Management (GEODIM) under the frame of PCCA 2012 Programme, coordinated by the National Meteorological Administration of Romania, University of Agronomical Sciences and Veterinary Medicine being a partner. The GEODIM project is focused to develop a downstream emergency response service for contributing to current disaster and risk management approach based on Earth observation data. The service will enable socioeconomic benefits for Romania in terms of future decisions on disaster and risk management policies by providing decision makers with better, more complete, timely and reliable information.

Key words: *downstream emergency response service, Earth observation, remote sensing, satellite image.*