



## Deployment of a Flash Flood Early Warning Service in Spain

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The Global Monitoring for Environment and Security (GMES) is a joint initiative of the European Commission and ESA. GMES aims to an improvement of the environment monitoring and vigilance systems in order to optimize the management of natural resources and to increase the security of European citizens. In particular, the RISK-EOS project, developed in the frame of GMES, combines satellite observation data with modelling techniques in order to render a better service to the citizens in relation to prevention, early warning and management of crisis and post-crisis situations originated by fires, floods and natural risks in general.

At the end 2006, ESA approved the development of one of the Risk-EOS services, the Flash Flood Early Warning, in Spain. This service, developed by Meteo France International and Infoterra, and currently deployed in France and Italy, will be transferred and set-up to the Júcar basin during 2007, being expected to be operational in 2008. This project is developed under agreement by GMV Aerospace and Defence (SW engineering and integration), the Instituto Nacional de Meteorología (INM, data and service provider), and the Confederación Hidrográfica del Júcar (CHJ, final user)

This poster contains the basis of the Flash Flood Early Warning service and a description of the necessary data and its treatment. The implications of its adaptation to the Júcar basin are explained, as well as the expected benefits of the service. The present state of the project and the future developing lines are also presented.