



## **The PREVIEW project : presentation of the Fire platform**

E. Cloppet (1)

(1) Météo-France

PREVIEW is an EC- co funded research project looking for new techniques to better protect European citizens against environmental risks and to reduce their consequences. The project is coordinated by INFOTERRA France. PREVIEW will provide new or enhanced information services for risk management in three thematic domains: Atmospheric, Geophysics, Man-made. Supporting European Civil Protection units – local, regional, national and European authorities – PREVIEW draws on the most advanced research and technological developments using satellite observation in combination with other data and scientific models, that will help better prevent, anticipate and/or manage different types of disasters. PREVIEW is jointly developed by a consortium of 58 partners from 15 nations, gathering a wide range of technical skills and key representatives in risk management. This presentation gives an overview of the work performed by the Fire platform and of the new products and services which are currently developed in the context of the PREVIEW project.

The fire platform aims to provide a complete line of products in order to cope with the different aspects of fire risk management from the prevention phase to the post crisis phase. In prevention phase fuel parameter service will be provided. Regarding early warning phase services related to Fire Danger Indices will be provided. Those services dealing with risk anticipation are intended to predict and monitor fire danger on a daily basis by merging new variables and improving the spatial resolution. In crisis phase two services are foreseen: Fire Monitoring and Fire Propagator. In Post-crisis phase covers Fire Damage Assessment service are foreseen.

As regards fire services we can identify two main inputs: Meteorological Indicators and Earth Observation Indicators. As spatial resolution of meteorological data is far

from spatial resolution of EO products this project tackle the issue of the improvement of spatial resolution of meteo inputs. As regards observation data and forecast data several methods are tested : interpolation methods, use of surface scheme data, use of radar data for rainfall amounts or limited area models. The PREVIEW project will end in 2008.