



The role of the new meteoradar network within the structure of the Italian civil protection system

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The Civil Protection Department of the Italian Government is managing a country wide system for early warning for extreme events of meteorological origin, in a dif-fused framework of decision support centres centrally and regionally established. A scheme of the procedures with the needed precursory informations is shortly given. The implementation of a country network of meteorological radar is a component of the system: six C band doppler fully polarimetric radars will integrate the present regional and Air Force installations.. The upgrade of the observational ground segment will improve the procedures of early warning by focusing the warning on target areas in a nowcasting framework. The role of the meteoradar network is clarified, mainly with reference to its use for bayesian updating of the information for incoming events with possible effects of flash flood and diffuse land sliding.