



## **The new Italian meteorological radar network: structure and aims.**

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The Civil Protection Department of the Italian Government is building the second step in covering the Italian territory with a network of meteorological radar. Six C band doppler fully polarimetric systems will integrate the present regional and Air Force installations: a short description of the innovation in the main technological characteristics is given. The purpose of the action is to upgrade the ground segment of the Italian observational network in order to detect and monitor extreme events of meteorological origin. The observational ground segment will support the policy of early warning of the Civil Protection Services: the procedures focusing the warning on target areas are shortly described in a nowcasting framework and the role of the meteoradar network is clarified.