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## WINSOC: the project coordinated by SELEX Communications for the development of the first landslides detection system in India come to an end

Today the WINSOC Program ends (Wireless Sensor Network with Self-Organization Capabilities for Critical and Emergency Applications) that SELEX Communications has coordinated as Prime Contractor for the European Commission and that will feature, for the experimentation phase, the developing of the first network of wireless sensors in India for the detection of landslides, to which they are strongly subjected.

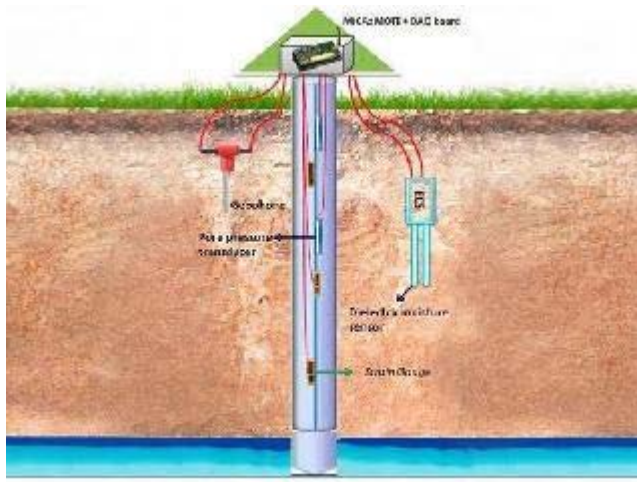
This is an innovative project with an highly social impact that has had a huge resonance in the Country as the news has been covered by 8 television channels and 10 newspapers.

The innovative featuring of the project consists in the fact that for the first time it's been installed in India, a region strongly hit by landslides that every year cause structural disasters and hundreds of victims, a network of wireless sensors with auto-organization capabilities able to monitor constantly the level of humidity and of land pressure and the movements of the subsoil.

At the moment the system has been installed in its pilot version in the mountain region of Munnar, in the Idduki region of Kerala, and includes 50 geologic sensors and 20 nodes of wireless sensors but it's expected that in the coming months the network will be extended to 150 geologic sensors and approximately 25 nodes of wireless sensors that might be deployed in Tamil, Nadu, Kerala and in general in all the sites of the country that are subject to landslides and fires and to the industrial sites inclined to gas emission.

The used technology has been developed within the Research and Innovation project WINSOC, financed by the European Commission by the VI Framework Program (FP6-ICT for Environmental Risk Management) that features the participation of 8 European companies and bodies of research and of two Indian research centers, Amrita University and Antrix Corporation Limited (the Commercial Arm of Indian Space Research Organization) for a total of eleven partners, representing 7 different countries.

SELEX Communications plays a fundamental role in the WINSOC program, being the promoter of the project and the leading company coordinating the activities of all the partners and giving its R&D contribution.



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