



Consiglio Nazionale delle Ricerche

Share Everest 2011: the challenge goes on: Italy towards the summit with the world's highest sensor

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LOBUCHE, Nepal – Yesterday, just before leaving South Col, Daniele Bernasconi and Daniele Nardi decided to leave their tent and sleeping bags up there, ready for a summit attempt: they suddenly communicated their decision by radio to the expedition leader Agostino Da Polenza. In the coming days, the two mountaineers will climb up to 8,848 meters of Mt. Everest with Pema Sherpa, carrying a sophisticated sensor that will send real time data from the summit. This exceptional project, developed over months of technological and scientific work, is revealed only now that the installation of South Col station is achieved.

As always, the end of an adventure marks the beginning of another one. In fact, after having completed their work at South Col, mountaineers suddenly decided to climb the final 800 meters towards the summit. They wish to test themselves, but above all they want to bring Italy and EvK2CNR - SHARE scientific research beyond the extraordinary scientific and technological records achieved in recent days, with the installation of the world's highest webcam pointed toward Mt. Everest and the world's highest weather station, at 8000 meters of South Col.

"This is not an easy task – says Agostino Da Polenza - but we really want to bring Italy on the roof of the world with both our legs and brain, in the year of 150th anniversary of Italy's national unification. Our guys will return to base camp as soon as they will recover energies and, once the weather will permit it, they will try to climb up to the summit with the sensor".

This sensor will measure temperature, relative humidity and atmospheric pressure. It is made up of three separate and modular units: a box containing electronics, batteries and a radio modem, a solar panel, and a carbon fibre pole with a head for meteorological sensors. It is a sophisticated, technological and particularly light system for data acquisition and transmission, developed in the CNR-ISAC laboratories in Bologna. The mountaineers will climb up to the summit with this equipment on their shoulders and will install it up there.

Find out more on: www.share-everest.com , www.evkc2cnr.org, www.montagna.tv

Videos and photos of the mission, at high resolution, may be downloaded by connecting to the following ftp:

Host: [ftp3.evkc2cnr.org](ftp://ftp3.evkc2cnr.org)

User: [evkc2cnrftp3](ftp://evkc2cnrftp3)

Password: [kondor77](ftp://kondor77)

Web access: <http://www.ftp3.evkc2cnr.org/>

Please note that it is possible to communicate by telephone with the Pyramid-Laboratory and in particular with Agostino Da Polenza, President of the EvK2Cnr Committee and Giampietro Verza,

technical responsible of EvK2Cnr's monitoring stations. It is also possible to contact mountaineers Daniele Nardi and Daniele Bernasconi.

To find out more about the SHARE project and its high altitude studies, feel free to contact our press office.

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