



## ORTLES PROJECT WORKSHOP

10 September 2013

EURAC Research

Viale Druso 1, Bolzano, Italy

### Mt. Ortles, as a unique scientific lab

Mt. Ortles (3905 m, South Tyrol, Italy) is the highest mountain of the Eastern Alps and, due to its high elevation, it offers unique possibilities of scientific investigation. During fall 2011 a joint international team of glaciologists and medical doctors camped for two weeks near the summit of Mt. Ortles drilling deep ancient ice, monitoring glaciological parameters and the process of acclimatization of the participants to the extreme environmental conditions. Now the glaciological and the medical teams present how the 2011 expedition on Mt. Ortles was conducted and the preliminary results obtained in the framework of their respective researches.



Mt. Ortles (3905m) and the glacier Vedretta Alta



The drilling dome at 3859 m near the summit of Mt. Ortles

### Ortles project institutions

Autonomous Province of Bolzano (I)  
CNR Venezia (I)  
CNSAS Alto Adige (I)  
EURAC research, Bolzano (I)  
Geo monitoring service, Varna (I)  
Health Care District of Merano (I)  
Museo delle Scienze, Trento (I)  
Notrufzentrale 118 Südtirol (I)  
Russian Academy of Sciences, Moscow (R)  
The Ohio State University (US)  
University Joseph Fourier, Grenoble (F)  
University of Bern (CH)  
University of Innsbruck (A)  
University of Padova (I)  
University of Pavia (I)  
University of Trieste (I)  
University of Venice (I)  
University of Zürich (CH)  
Waterstones geomonitoring, Varna (I)  
Vienna University of Technology (A)  
Zentralanstalt for Meteorology and Geodynamics, Wien (A)

### Contacts

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[www.ortles.org](http://www.ortles.org)

### Program

Location: Conference hall, EURAC Research  
Language: English  
Participation: free

Conveners: Giacomo Strapazzon (EURAC Research)  
Paolo Gabrielli (The Ohio State University)

8.30-9.00 *Gathering and coffee*  
9.00-9.15 Welcome from the conveners and short introduction  
9.15-9.45 Contribution of the Province of Bolzano to the Ortles Project (Ing. Roberto Dinale, Province of Bolzano)  
9.45-10.15 Glaciology and meteorology on Mt. Ortles (Dr. Luca Carturan, University of Padova)  
10.15-10.45 Emergency rescue on Mt. Ortles: materials and logistics (M.Dr. Hermann Brugger and Michael Pohl, EURAC Research)  
10.45-11.00 *Coffee break*  
11.00-11.30 The Ortles ice cores (Dr. Paolo Gabrielli, The Ohio State University)  
11.30-12.00 A standardized methodology for a medical study on Mt. Ortles (M.Dr. Giacomo Strapazzon, EURAC Research and Dr. Giulio Ceolotto, University of Padova)  
12.00-12.30 Permafrost and boreholes studies on Mt. Ortles (Dr. Volkmar Mair, Province of Bolzano)  
12.30-13.00 Future perspectives and conclusions  
14.00-16.30 Meeting reserved to the Ortles project participants



Ultrasound medical examination on Mt. Ortles