



Geomicrobiology and subsurface geochemistry in high mountain habitats and in cold water mineral springs

**A 3-day field trip to geomicrobiologically and geochemically interesting
ecosystems in the Swiss Alps**

**for participants of the Geosciences and Geoecology Program at the
Eberhard-Karls-University Tübingen and guests**

Tuesday, August 31 to Thursday, September 2, 2010

Guided by
Andreas Kappler, Eberhard-Karls-University, Tübingen and
Kurt Hanselmann, swiss i-r+t, Zürich

- Locations:** Day 1: Tübingen – Gonzen - Rhäzüns - Rothenbrunnen - Alvaneu - Davos
Day 2: Davos Dorf - Jöri Lakes - Scuol
Day 3: Scuol – Fuschna - Nairs - Rablönch - Tübingen
- Topics:** Low temperature geochemistry in mineral springs,
Geology of the Lower Engadin Window and the Silvretta nappe,
Hydrologic changes in glacial retreat areas of the Jöri lake catchment,
Weathering and erosion patterns in Bünden shale, carbonate and gneiss,
Modern and ancient nutrient fertilization and cycling in high altitude aquatic ecosystems,
Former mining of lead ore in Val S-charl
- Accommodation:** Youthpalace, Davos Dorf and Scuol, 2 nights, breakfast and dinner included
- Meeting point:** Tuesday, August 31, 10 a.m. at the former iron mine Gonzen, Sargans
- Costs:** € 115; included are accommodations for 2 nights, 2 breakfasts, 2 dinners, entrance fee to mine and museum. Not included: back pack lunches, travel
- Fitness:** Walking on rough mountainous terrain and work in the field for 7-9 hrs/day
- Clothing:** Good mountain walking boots, layers of cloths for warm, sunny as well as for rainy, cold weather
- Insurance:** Is the responsibility of each participant, incl. REGA
- Participants:** max. 25
- Meetings:** Introduction: May, 18, at 14.00 – 17.00 in room S522
Detailed scientific preparation: lectures slides on internet
- Information:** Prof. Dr. Andreas Kappler, Eberhard-Karls-University Tübingen
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The detailed program will be sent by email during the summer semester