



**Geobiology**  
ETH 651-4044-00L

**ETHZ** Institute of Geology



## Geo-Microbiology and Bio-Geochemistry in Alpine Environments

**A 3-day field trip to geobiologically and geohydrochemically interesting ecosystems in the Eastern Swiss Alps**

**for participants of the Geobiology and Biogeochemistry Master course at the ETH Zürich and guests**

**Tuesday, September 14 to Thursday, September 16, 2010**

Guided by  
Crisogono Vasconcelos and Kurt Hanselmann,  
ETHZ, Dept. for Earth Sciences, Climate Geology / Geomicrobiology

- Locations:** Day 1: Weissfluhjoch – Totalpsee - Strela Pass – Schatzalp – Davos.  
Day 2: Davos Dorf – Wägerhus - Jöri Lakes - Davos Dorf.  
Day 3: Scuol-Tarasp - Ftan - Fuschna - Nairs – Rablönch.
- Topics:** Alpine water resources, geology of the Lower Engadin Window, low temperature geochemistry in mineral springs, evolution of mountain lakes, modern and ancient nutrient sequestration and cycling in high altitude aquatic ecosystems, hydrologic changes in glacial retreat areas of the Jöri lake catchment, weathering and erosion patterns in carbonate, gneis and serpentine contact zones
- Accomodation:** Youthpalace, Davos Dorf, 2 nights, breakfast and dinner included
- Meeting points:** Tuesday, Sept. 14, 08.50: Davos RhB station (train from Zürich dep. 06.37)  
Wednesday, Sept. 15, departure by bus at 07.55 from Davos-Dorf, RhB station  
Thursday, Sept. 16, 08.05, train from Davos Dorf to Scuol (arr.9.16) via Klosters
- Costs:** CHF 155 (CHF 100 for geology students enroled at ETH-Z)  
included are accomodations for 2 nights, 2 breakfasts, 2 dinners, local transports: Klosters - Davos - Schatzalp - Parsenn. Field trip preparations.  
Not included: back pack lunches, travel to Scuol and back, local bus trips.
- Fitness:** Walking on rough mountainous terrain and work in the field for 6-9 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.
- Enrolment:** via ETH geology excursion booking <http://www.conference.ethz.ch/erdw/>
- Participants:** 20
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