Earth Systems Sciences - Mountain Geo-Microbiology

Microbial geo-ecology in "new“ landscapes and habitats in High Altitude Environments of the Biogeoscience Arena Silvretta, Eastern Swiss Alps

for Participants of the ETH Earth Sciences Bachelor and Master Programs together with the Universities of Zürich and Basel and Guests

Course is taught in German, unless there are students who are not familiar with the language

September 2 – 7 (Monday – Saturday), 2019

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Locations


Topics


Geology: Lower Engadin Window with shale, travertine / tufa deposits, Silvretta nappe (gneis), Ela nappe (dolomite, gypsum), Totalp intrusion (serpentine), Gotschna (radiolarite).


For details see https://lms.uzh.ch/url/RepositoryEntry/16318464010?guest=true&lang=en

Deliverables

Preparation, Monday, September 2, at ETH in Zürich. Presentation of results on September 7 in Davos. Course ends late afternoon on September 7.

Accommodation

Youthpalace, Davos Dorf, 5 nights.

Meeting Points

Monday, September 2: 08.30 ETH Zürich: Preparation of sampling equipment, then travel to Davos. Saturday, September 7: Return from Davos Dorf 17.06 → Zürich, arr. ca. 19.30.

Costs

CHF 415 (CHF 200 reduction for ETH students). Includes 5 nights, breakfast, dinner, all local bus / mountain train trips with ½ Tax or GA. Not included: back pack lunches, travel to Davos and back, to Wägerhus by Postal Bus and from Davos to Val Sinestra and back by train and Bus. Cancellation fees apply after June 30.

Fitness

Walking on rough mountainous terrain and working in the field for 7-9 hrs / day

Clothing

Good mountain walking boots, layers of clothes for warm as well as for rainy, cold weather.

Insurance

Is the responsibility of each participant, also Alpine Air Rescue (REGA)

Prerequisites

Interest and the ability to delve into a field trip topic.

Preparation

Pre-excursion preparation with field guides online on OLAT. Researching a course topic for presentation at the end of the course, organization of materials for sampling.

Credits

ECTS 2 credits (ETHZ, UZH) others according to institutional practice, includes preparation (15 hours), field work and reporting (50 hrs).

Enrolment

Until June 2 at Secretariat Environmental Geosciences and Biogeochemistry, Bernouillianum Room 201a, K. Liesenfeld, starting Monday, April 9, 2019

& Information

After June 2 and if there are places available, apply by mail to jakob.zopfi@unibas.ch or kurt.hanselmann@erdw.ethz.ch

Participants

20 max (waiting list)