



Helmholtz Graduate School for  
Polar and Marine Research

PROCEED

Helmholtz Career Development  
Centre for Researchers



## Geological and glaciological field trip to Austrian Alps

*Prof. Dr. Olaf Eisen, AWI & Dr. Christoph Mayer, KEG\**,

<b>Date &amp; Time:</b>	July 24 – 31, 2019
<b>Location:</b>	Vernaghütte (2755 m), Ötztal Alps, Austria
<b>Language:</b>	English
<b>POLMAR credit points:</b>	8
<b>Registration:</b>	<a href="mailto:info.polmar@awi.de">info.polmar@awi.de</a>
<b>Deadline for registration:</b>	<b>March 29, 2019</b>

**As places are limited, please submit a short letter of motivation stating**

- **Field of research, previous knowledge**
- **the relevance of this course to your PhD project**
- **your general motivation to participate**

**The final list of participants will be communicated mid-April.**

### Course content:

This field trip will bring you to one of the highest mountain huts in Austria (2755m), surrounded by the stunning summits of the Ötztal Alps. It will introduce you to the fundamental principles of glaciology in the field.

The field exercise complements the theory outlined in the lectures in glaciology (Module "Glaziologie" at the University of Bremen, with WiSe lectures „Allgemeine Glaziologie“ and „Feldmethoden der Glaziologie“). Exercises will be carried out at and on the Vernagt Glacier. The course covers geophysical measurements (like radar, seismics, gravimetry), classical field glaciology (snow pits, stake measurements) as well as geodesy (GPS). You will learn how to determine the inner structure of a glacier, its geometry, and the controlling boundary conditions.

For more information, please see also

Impressions from field trip 2014: <http://blogs.helmholtz.de/eisblog/category/vernagtferner/>

Webpage KEG (\*): <http://glaziologie.de/vernagt/vernagt.html>

### Target group:

Doctoral candidates and Postdocs from geology, geophysics, glaciology, modeling and related subjects.

**More information:** If you need more details on the course content, please contact [olaf.eisen@awi.de](mailto:olaf.eisen@awi.de)

\* KEG: Kommission für Erdmessung und Glaziologie