



Geological excursion

22–24 September 2017

The Glarus Thrust

Overview: This excursion will lead us to the southern part of the famous **Glarus Thrust**, which is protected as a **UNESCO World Heritage** site and represents the origin of modern understanding of thrust tectonics. Compared to the more commonly visited (and easier accessible) northern part, the para-autochthonous footwall here consists of the **Mesozoic Helvetic stratigraphy** also found in the Helvetic Nappe System and the Glarus Thrust experienced a bit higher metamorphic grades.

We will visit **extraordinary panoramas** and some of the **most spectacular outcrops** of the Glarus Thrust, some of which have only recently been revealed by the retreating Vorab Glacier. We will also visit a **hole-in-the-rock shrouded in legend**, the Martin's Hole, and the rooting zone of **Europe's largest rockfall**, the Flims rockfall.

The planned trip takes us to Flims, Segneshütte, Piz Grisch, Vorab Glacier, Lower Segnes Plain, Tschingelhörner, Martin's Hole, and Elm.

For whom: The excursion is open to **BSc students** from 3rd semester upward and to all **MSc students**. Due to this mix, we will also repeat and deepen the general **Geology of Switzerland** and that of the Helvetic Zone in particular. This excursion is also a great opportunity for **incoming MSc students** to hear about Geology of Switzerland and for everybody to **socialize** with students from other semesters.

The maximum number of participants is 33.

Important: Note that this is a **pure hiking-excursion** well above 2000 m a.s.l. You must be prepared to hike **substantial distances in high mountain terrain**.

Tschingelhörner as seen from the Lower Segnes Plain. The Glarus Thrust is clearly marked as a knife-sharp line.

FACTS-BOX:

Leader: Marcel Frehner

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Date & Time: 22.–24. Sep. 2017. On 22. Sep., we will leave Zurich at 15:30.

Costs: CHF 80.— (for D-ERDW students), CHF 180.— for everybody else. Additional costs: Train to Flims (CHF 28.80 with ½tax) and back from Elm (CHF 13.90 with ½tax).

Registration: Starting on 24. Feb. 2017 on www.conference.ethz.ch/erdw

Payment: After registration, you will receive the payment information. Please pay in a timely manner.

TESTIMONIALS FROM PREVIOUS YEARS:



David attests: "Excursion top; fine beers awaited us after a long hike."



Lydia agrees with Siem: "Awesome excursion! We had Apéro every day."