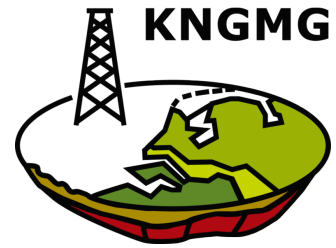


KNGMG Noord Harz Fieldtrip 2020

Preliminary Programme

Own Risk; estimated cost ca. € 225 p.p. (to be confirmed)



Saturday, May 16th, 2020, Harz Tectonics and Mining

8:00 Departure

13:00 (Stop 1.1) Schaubergwerk Büchenberg Iron Mine, Elbingerode

13:00-13:45 Lunch at Imbiss Schaubergwerk Büchenberg. They serve French fries, "Currywurst", "Bockwurst" and Pea soup. Within the Imbiss, there is poster information on iron mining and geology.

14:00-15:00 Guided tour of the Büchenberg Mine

Drive to Teufelsmauer

15:30-17:30 (Stop 1.2) Teufelsmauer, U Cretaceous LST and SST "Wall", Thale

Easy Walk. At the viewpoint, Drinks, Explanation of Harz Tectonic History and Discussion.

Drive to Quedlinburg, book into the hotel

19:00 diner Hotel zum Bär in Quedlinburg

Sunday, May 17th, 2020, Rotliegend and Zechstein

8:45 Depart direction Osterode via Brocken. *Hotel to supply Field lunch.*

9:30-9:45 (Stop 2.1) Woolsack weathering of Plutonic Harz granites near Oderteich

View from the Parking site.

Drive to Walkenried

10:30-11:30 (Stop 2.2) Monastery Walkenried Outcrop

Upper Rotliegend sandstones, basal Zechstein conglomerates, Copper Shale (Kupferschiefer), Zechstein carbonates, Ze Stinkdolomit. Discussion depositional environment.

[10:30-11:30 Poor weather option: Visit the mining museum in Clausthal]

Drive to Bartolfelde

12:00-13:00 (Stop 2.3) Bartolfelde, Fossil Ze cliff, basal carbonates

To be confirmed, abandoned Quarry, hard hats required

Field lunch

Drive to Osterode

15:00-16:00 (Stop 2.4) Osterode, Ze Gypsum, location to be confirmed

Options,

Gypsum Diapirs of Weisse Klippe NW of Osterode

or Quarry Osterode Dorste Karst, Sabkha to salina evaporate facies, internal structures of gypsum, faulting of gypsum/anhydrite

Tea near Osterode then return to Hotel

18:30 Dinner Hotel Zum Bär, Quedlinburg

20:00 (Stop 2.5) Evening Option, for Geologist Diehards, Hettstedt outcrop

Tal der Heiligen Reiser, Fluvial Rotliegend red beds on top of fluvial Carboniferous red beds, major regional unconformity, beautiful outcrop

Note: Helmet required, walk through tunnel, careful climbing, careful on the road

Monday, May 18th, 2020, Gabbro outcrop, Inside the Zechstein Salt

8:00 Departure from hotel

9:00-10:00 (Stop 3.1) Bärensteinbruch, Harzburgit & Gabbro outcrop

Drive to Salzgitter

11:00-16:00 (Stop 3.2) Visit Asse Salt Mine, Salzgitter/Morsleben (lunch included)

Precise timing to be confirmed

16:00 Return to Assen

21:00 Arrival back in Assen