

**Excursion (Tour D) - Thursday, 12 Sept 2024**

**GLASS PRODUCTION FROM RAW MATERIALS TO FINAL PRODUCTS**



We welcome you to a tour on the material “Glass” and its main raw material: natural quartz. During this excursion, we will first visit SCHOTT AG as one of the market leading producers of (industrial) glass products. There we will have a guided tour through the production plant to gain insight in the production processes from the melting of the quartz raw material to the final technical glasses with quite a range of requirements on the physical properties of the glass material.

Secondly, we will visit the sand quarry in Weferlingen, where quartz sand is extracted for a range of different industrial applications. There, we will get an overview by the mining company Quarzwerke GmbH, visit the quarry itself and subsequently also the processing plants for the industrial needs of the raw materials.

The timetable for the excursion:

07:45	Meeting at Geoscience Center Göttingen (GZG), Goldschmidtstrasse 1/3, 37077 Göttingen (Venue of Quartz 2024)
08:00	On time departure by bus
09:30 - 10.00	Arrival at SCHOTT AG plant Grünenplan (Delligsen)
10:15	Welcome and introduction by SCHOTT AG
10:45 - 11:45	Guided tour through the production plants by SCHOTT AG
12:00 - 13:45	Drive to quartz quarry Weferlingen
14:00	Welcome and introduction by Quarzwerke GmbH
14:30 - 16:00	Guided tour through the quarry by Quarzwerke GmbH
16:00 - 16:45	Guided tour through the onsite processing plants by Quarzwerke GmbH
17:00	Departure to Göttingen
18:30	Expected Arrival in Göttingen at Geoscience Center Göttingen (GZG)

Long trousers and hiking shoes are strictly advised (melting process at Grünenplan and hiking through the deposits at Weferlingen). Please bring also personal sunscreen if required. Further personal protective equipment (helmets, vests) will be provided during the excursion.

We wish you an interesting and informative day regarding geology in Northern Germany (Lower Saxony and Saxony-Anhalt),

Best wishes

Kirsten Techmer

Jens Walter

Alfons van den Kerkhof