

**Excursion (Tour C) - Monday, 9 Sept 2024 – Pre-conference tour**

**GUIDED TOUR TO THE LABS OF THE GEOSCIENCE CENTER OF THE GEORG-AUGUST UNIVERSITY OF GÖTTINGEN**



We welcome you to a tour through selected laboratories of the GeoScience Center (GZG). The 2-hours tour will demonstrate selected departments and labs of the GZG, which focus on the investigation of quartz, glasses and other SiO<sub>2</sub> materials. In the GOELEM Lab high-resolution electron microscopy is an important tool for the analysis of glasses and silicates. We will also demonstrate the Lab facilities in the Department of Geochemistry and Isotope Geology regarding mass and Laser spectrometry. A visit of the Department of Mineralogy includes spectroscopic analytical facilities, focusing on the research of silicate glasses and volatiles in glasses. The cathodoluminescence lab will be the final destination of the tour explaining the visualization of internal structures of quartz and other silicates.

The timetable for the excursion (Tour C):

16:00	Meeting at the Geoscience Center Göttingen (GZG), Goldschmidtstr. 1/3, 37077 Göttingen (Venue of Quartz 2024)
16:05	Laboratory for Light and Electron Microscopy (GOELEM )
16:35	Department of Geochemistry and Isotope geology (stable and radiogenic isotopes, mass and laser spectrometry)
17:05	Department of Experimental and Applied Mineralogy (viscosity lab, Raman and IR spectroscopy)
17:45	Cathodoluminescence lab
18:00	End of the tour

Best wishes

Kirsten Techmer

Jens Walter

Alfons van den Kerkhof