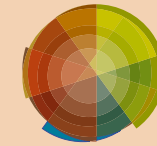


Thursday, April 14, 15:00

Lecture hall of the Institute of Geophysics
(Praha 4- Spořilov, Bořni II/1401)

Guest Lecture

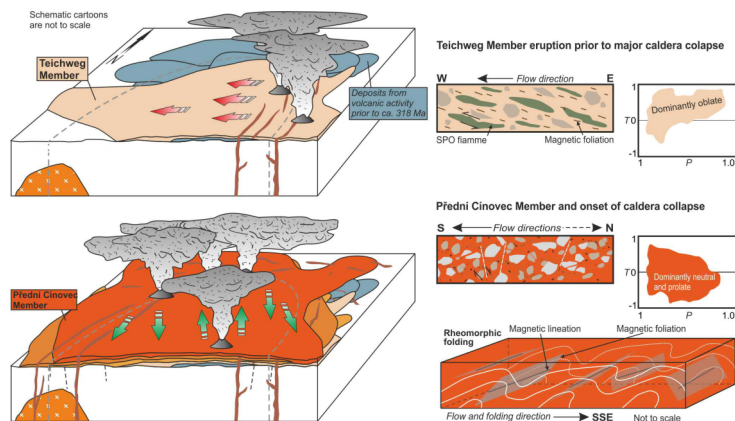


INSTITUTE OF GEOPHYSICS
OF THE CZECH ACADEMY OF SCIENCES

Filip Tomek

Faculty of Science, Charles University, Prague

Late-Variscan Altenberg–Teplice Caldera (NW Bohemian Massif): review of volcanism, tempo, structure, and emplacement processes



The late-Carboniferous Altenberg–Teplice Caldera (ATC) is a relict of the most prominent volcanic edifice developed in response to the extensional collapse of the Variscan orogen in the NW Bohemian Massif. The igneous units of the caldera magmatic system include a range of features such as rhyolite dike swarms, variety of ignimbrite facies and ash-fall tuffs – including those in the Bohemian Carboniferous basins, ring-dikes, and post-caldera granite intrusions. The talk will review recent advances in knowledge of this magmatic system, based on petrology, geochemistry, physical volcanology, radiometric dating, as well as detailed field, structural, and geophysical surveys.

Lecture will also be accessible remotely.

Those outside of the Institute of Geophysics interested in online access should contact kusbach@ig.cas.cz for obtaining a ZOOM meeting link.